



VOL. 26.

DIARY

OF

Hymenoptera, other insects, plants, etc.,
seen or taken by A.W. Stelfox

from 19th May 1958 till
18th November

1958.

19th May 1958. A dull day clearing about 6.0 P.M., wind went from SE to W, after a belt of heavy rain had passed between 3.2 & 4 P.M. Dry, warm & windy (SE) in early part, squally in afternoon, & with strong gusty W wind in evening. Margaret Hudson arrived at 7 P.M. to stay till 21st in order to be able to cope with household affairs. She & her 2 children, Andrew & Stephanie, stay here while we are in Scotland.

In forenoon I dressed grass, etc., from another yard of the house in front garden.

Some *Ranunculus bulbosus* on bank at entrance to the E. Downshire coal yard when ordering coal this morning. 20th May. After a dry mild night, a very nice sunny forenoon with strong W-SW wind & showers about but not here. I took Margaret Hudson through the plantation to show her the paths, etc. Heavy showers in afternoon, wind backing to S, & then increasing & veering, NW to sea gale in evening, & much colder.

21st May. A cold bright showery day. Hot contrast between the showers, which included a couple of hot showers about 5 P.M., the hot lying on the grass for some time. Margaret left for home by 1.45 bus & we voted for local council.

21.5.58. On our way home from voting in 2 local council elections in Bayswater Road we visited a St. Bonas prototype at flowers of what I believe to be a *Lysodorus* (but not *L. japonicus*!). We lit a fire in evening!

22nd May. A poor cold day with wind & rain, & strong easterly wind - almost a gale at times.

23rd May. Gale & rain all night from east or northeast & same continued almost throughout the hours of day, but the rain very heavy, & the wind very strong, at times, except between 2.30 & 3.30 P.M. when we walked to Downshire Lodge, up the path by the waterfall & house via upper course. During the spell received a burst of wind & blue sky to east - north-east over the sea.

We saw one small ♀ of *Bombus lucorum* in the plantations by upper course, but I fear none will have perished by flowers if the weather continues. On 21st I took 13 photos in garden with the new camera, but as I don't at present understand its working on that of the "Sixteen" exposure meter I don't know if they will be a success, & will wait till I have a chat with Michael Morrison before I take any more. All were taken with exposure of 1/30 of a second except one at first took taken at 1/15th off my knee, while I sat on seat in back garden.

24th May 1938. After more very heavy rain at night & until 10 AM, not a hot day, as wind was light & hot backed from NE to NW & finally W & very light. No fresh rain fell till nearly 7 PM, when a thunder-like shower passed & another at 9.30 PM. The botanical meeting led by Miss Kendall had arranged to visit Newport in afternoon & Miss K. had asked me to join the party, which I did, but Miss K. never turned up & the party consisted of Miss Olive Murray & myself (locals!), Miss Carlisle, & two brothers David & Donald Honeyman. After waiting for 1 until 2 PM, we decided on a programme & on the waterfall via, in spite of the rain, up the path by it to the upper bridge & then west along the upper avenue, up the path to the top of Drinnakilly & down again. Miss Murray then took the party home for tea & I went home myself. Later they all came to see & spend a hour in our garden. I leave & left about 6.45. After our tea I cut & frost lawn in spite of the drizzling it had just had.

Saw nothing new during the day & nothing to report. Received notice that £200 4% Land Bond had been drawn for redemption.

25th May '38. Except for a few light showers, quite a nice day with considerable sun & light westerly breeze. In forenoon Prof Herbert Harrison, his wife, & a Student Professor

called & spent over an hour looking at my plants in the garden. In afternoon Daisy & I spent nearly 3 hours in the plantation, where I took some photos with the new camera of various subjects & particularly experimental, after Prof. H. H. had cleared up some points. I saw him about earlier in the day. I brought home two plants of *Primula vulgaris* from the "bog" south of Drinnakilly & planted them in the new "baby pond" by the back of the house.

26th May. A rather poor, showery, day & cool. Every day very wet. In evening had a visit from Mr Wood, just back from the Chelsea Flower Show & full of news. Spent an hour in the garden with him & then went round to his garden where he gave me a small plant of a new hardy *Boyonia* & another of *Geranium phaeum*, I think from Wisley. He also promised to get me, from Wisley, a plant of *Silene parviflora*, brought to Wisley from its only British station on R. Tummel in Perthshire, just before it was destroyed there by the hydro-electric. Brought roll of film (35) to Ligan in morning! & checked.

27th May '58. Except for one shower at 2.30 P.M. quite a nice, but cool, day, though a few sunny intervals. Many showers passed by & some seemed to be hot showers. After going to bed at 10 A.M. I went on to the Board & Nurseries & spent some time with Mr. Wood looking round & making notes of the *Agave* now in flower for purchase later in year.

I am now planting out cuttings of *Myrica* & *Korokai* which had been in 12" pot under polythene for some months, but I doubt if any have rooted though all green & 'growing'. Gave 'Handbuds' to Sax. nemosa & other 'small fry'.

28th May. A very nice day spoiled by a rain which began about noon to W. & N. & drifted slowly over, so that rain fell for some time. I undid the grass of my morning's mowing. Hot tea was out in front but otherwise chilly with certainly draught. She came at sunset & a fine possibility, but potatoes too far on to frost. Narcissus fly caught in back garden by hand.

29th May. A perfect, all sunny, day with light E. breeze after a light white frost at night, & a forecast, but not enough to cause damage to the potatoes here.

Spent most of day hoeing & cut front lawn. Lining planted out here 4 Vegetable Marrows seedlings.

30th May '58. Another all sunny day with some E. breeze. Spent most of day hoeing & weeding? Rain in west part of England both yesterday & to day.

31st May. After a misty morning a thick drizzle from noon till about 11.30 A.M. & rising. E. breeze cleared it away & we had a nice afternoon & evening, but cool & wind. George, Margaret, Rose & Dawson arrived at 2 P.M. to stay till 13th June.

Mr. Linn. called & presented me with one of the seedlings of *Mercurialis perennis* just coming into flower. Then I planted facing the house a just W. of the rose-plumage.

1st June 58. A fine day, sunny in forenoon, with a afternoon with much rain in evening. Wind light, east.

I left home, alone, at 10.15 A.M. & walked up the Glen River till opposite Pollegrove. Then I started up the foot of the 'cliff' on Shinn's road, where were some *Hebe* (2 English), *Sedum*, *Dracopis*, but nothing more interesting. I went right up to the top of the cliff, crossing the area where the big mass drift lies so often & where the granite is very rough. Above this was some mudstone or 'an arctic sand' which continues to the summit plateau & contains much *Vaccinium myrtillus*.

1.6 SE cont. *Vaccinium vitis-idaea*, *Lycopodium alpinum*,
Salix herbacea (higher up) + *Juniperus communis*, which last at
 some places grows 40-50 per cent. of the vegetation & is
 just coming into flower. On the very summit & on S. side
 of the cairn the male catkins of *Salix herbacea* were in flower
 & one, about an inch long, was on a *Bombus hortorum*
 — a veritable *Bombus*! — but as yet I could not find
 any more of any. *Thymus* something, though *Thymus*
arvensis & *Thymus* *sp.*, occurred all the way from the
 Glen River down to the summit. Left the summit at
 3.10 P.M. & came home via the W. shoulder of Sheshing,
 where noted an area of *Lycopodium alpinum* on stone
 ground at a comparatively low altitude (under 2,000 ft.
 above sea level?); then came down by the steep *Fern*
 cliff on the slope of Sheshing & at foot of Tullybrannigan
 Burn, & saw it, *Lycopodium alpinum* & the two small beds
 of *Salix* were looking fresh & well after the recent
 rain. Took a few *Thymus* samples & a few other insects
 in the plantation on way up & a *Delphinium* ^{arvensis} & *Ligustrum* & a few
Apl. alpinum at about 1800 ft.: as follows: — *Helix*, *Staph.* 29
 at quarry in plantation; *Asteroides* ^{flavescens} *arvensis* ^{at} same place;
Pimpla *stygia* & *stygia*, etc.

Agropyron of *flavescens*
 var. red, 298, ant. 34 & 28.

1.6 SE cont. Both *Delphinium* *arvensis* & *Delphinium* *argenteum*
 seen about 1000 ft. of Sheshing Burn & at approx.
 2,000 feet — the former, *argenteum*, on E. side with lake
 on NW. slope — which is most likely that of Sheshing & Bracken's
 highest record.



2nd June. After a very wet night & a very perfect sunny
 day & much warmer than in recent weeks, wind fell
 & dropped rather in evening.

3rd June. Heavy rain commenced about 2 A.M. & continued
 until about 10 A.M., the light Scotch mist: very warm.
 The afternoon was dry with some hot sun, with a shower
 at 5 P.M., later sky cleared & cooler. Wind mainly
 light E to SE, but fresh at times.
 Planted out seedlings of *meconopsis bulbi*, some & came
 up last summer, by the E. end of the seat at 1240 ft. of the
 burn in back garden.

4th June. A nice warm day after a misty start.

5th June. Very warm sunny forenoon, cloudy in afternoon
 but dry. Added another 15 fish to the 1/2 fish feeding
 the baby pond & sank some in bed of the burn at its intake
 — with George's help. Took some *Delphinium* garden just after
 breakfast in strong sunlight.

6th June 1958. Rain set in about 5.30 P.M. & continued till bedtime: very heavy at times & at others only drizzle: wind NE backing S. Frost at first, light later: sun & it then with the sun showing through in afternoon. Frosty.
O'Rourke (Prof of Zoology in U.C. Cork) called for help in lawn in afternoon as he was to Belfast on return as usual at Queen's Univ.

7th June. Rain continued all night, all day & still raining at 10 P.M. Sometimes very light S.W. mist but none after lunch. Between 8 & 9 P.M. I went to see the General Falls & found it bigger than I had yet seen it & just above the bridge at the Lodge river it was quite covering the road in between the two main falls, all but the N.E. corner of the rock. Came back by the upper bridge & down by the cottage.

8th June. After more heavy rain at night, a dry day: dull till 6 P.M., then a cold, sunny evening. In afternoon I drove with George to Ballymore to call on Margaret & sister-in-law. In forenoon I gathered some seeds to take to Scotland & three genera (*Dracopis*, *Calluna* & *Veronica* *viridiflora* from St. Dunod, 1956) in garden for Mr. Hultine of Kew: also took a small tub of water & a small box of seeds.

9th & 10th June 1958. Not hot days, but less rain both night & mist. S.W. misty in morning & off & on both days & a steadily no sun though a short sunburst in forenoon of 10th. Wind & clouds calm but light E. strength at times. The trees very high. There last few days a cloud bank with patches of the second barometer back garden.

11th June. Except for one strong burst of sun about 6 P.M. the wind changed from E to SW the air entirely dull with "hill fog" & a few periods of drizzle. Garden very wet & the lawn not drier now than half an inch from yesterday.

12th June. The last day for a long time & most hot sun in afternoon & evening. Wind SW & fresh in forenoon, but later turned E & finally fell entirely. Warm & air dry, so that by evening I was able to see the front banks along road.

Warmer Bumble Bees were general, especially *agrorum* & *pratensis* & a locally very common one about 7 P.M. White thorn, fruit buds. *Verpa conopsea* from *botanocista* in *Slieve Donard*, Feb.

13th June. A very nice warm, sunny day, with mainly light E breeze, but quite strong for a time after mid day. Spent much of day mending potato

13.6.58, cont. which is overcast owing to the weather. After tea went for a minute along the bank & in various parts of the boggy & took the following insects:

Insects taken, Tullybrannigan, DO.
Cratichneumon rubifrons ♂, ant. 36. 7.0-7.30 P.M.
Phygadeuon ♀, ant. 25. *Oenocampa fulvicornis* ♀, ant. 26.
Opius cf. *regius* ♀, ant. 26. (cf. *regius* ♂).
O. salm. Hal. ♀, ant. 36; very nice specimen!
Aspilota cf. *lutea planifrons* ♀, ant. 17. 2 cf. *pentacoma* small ♂, ant. 16.
Dacnusa cf. *areolaris* ♂, ant. 24. *Orthocentrus* ♂, ant. 24. (cf. *areolaris* ♂).
Proctos about 10: 2 only, etc. =

Chalcids 7

Cynipid 1 ant., implex.

Saw the first wasp of the afternoon!
 wasp on
 2 species

14th June. Another dry, sunny day, very warm at times & quite cool when E. wind blew strongly. J.H.K. Moon arrived at 1.15 to spend afternoon & talk over our visit to Larne. Moon is to follow us on 17th July.
 Took a look on my bedroom window =

15th June SE. Sunday. A mild rather dull day with hill fog. During intervals in the weather, but was on the shore & on the shore. I spent the day in the hope of getting some of the insects. Much of the day was spent on *Salix herbacea*, but the chilly wet wind when I sought the insects, & all day in the rain of rain. This was the usual state of 2 *Salix herbacea* below the mist & in some sheltered spots. The only *Hymenoptera* seen above the mist level was a ♀ *Bombus lucorum* "searching" & not far below the N. stream on return journey. The only insects above the mist were three: *Pygostolus pilula* ♂ & ♀ & *Anthylus pallipes* taken by the Glen River just above the plantation & a *Gaster* with it as 2 were amongst *Vaccinium* on return journey. Leaving home at 9.55 I proceeded up the Glen River, as usual, till nearly opposite the Eagle's Rock the crossed the river & went straight up to the rock on N. margin of a large river, examined the rocks below the ledge, then climbed on to the ledge below the main cliff & southwards round its base & up the first climbable gully south of it, passing on the

Orthostigma apiculata n. sp. minute, mandible 3. Ant. 22.
Received from Lizar, the first 20 colour films, processed, taken
with new camera.

[illegible]

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of Messrs. FRAZER,

written from memory by a sister cannot be found, and it was slightly different from the original, which Albert Bridge. "This may differ of his poems entitled 'Fall of Albert Bridge.'"

Mrs. Frazer cleared out much of her uncle's writings after he died, but she has in her possession one of his poems entitled "Fall of Albert Bridge."

The rest of his life.

He died on September 9, 1936, at his residence in Pearl Street, Belfast, and is buried in the cemetery attached to First Saint-field Presbyterian Churchyard.

'Fall of the Albert Bridge'

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you should buy

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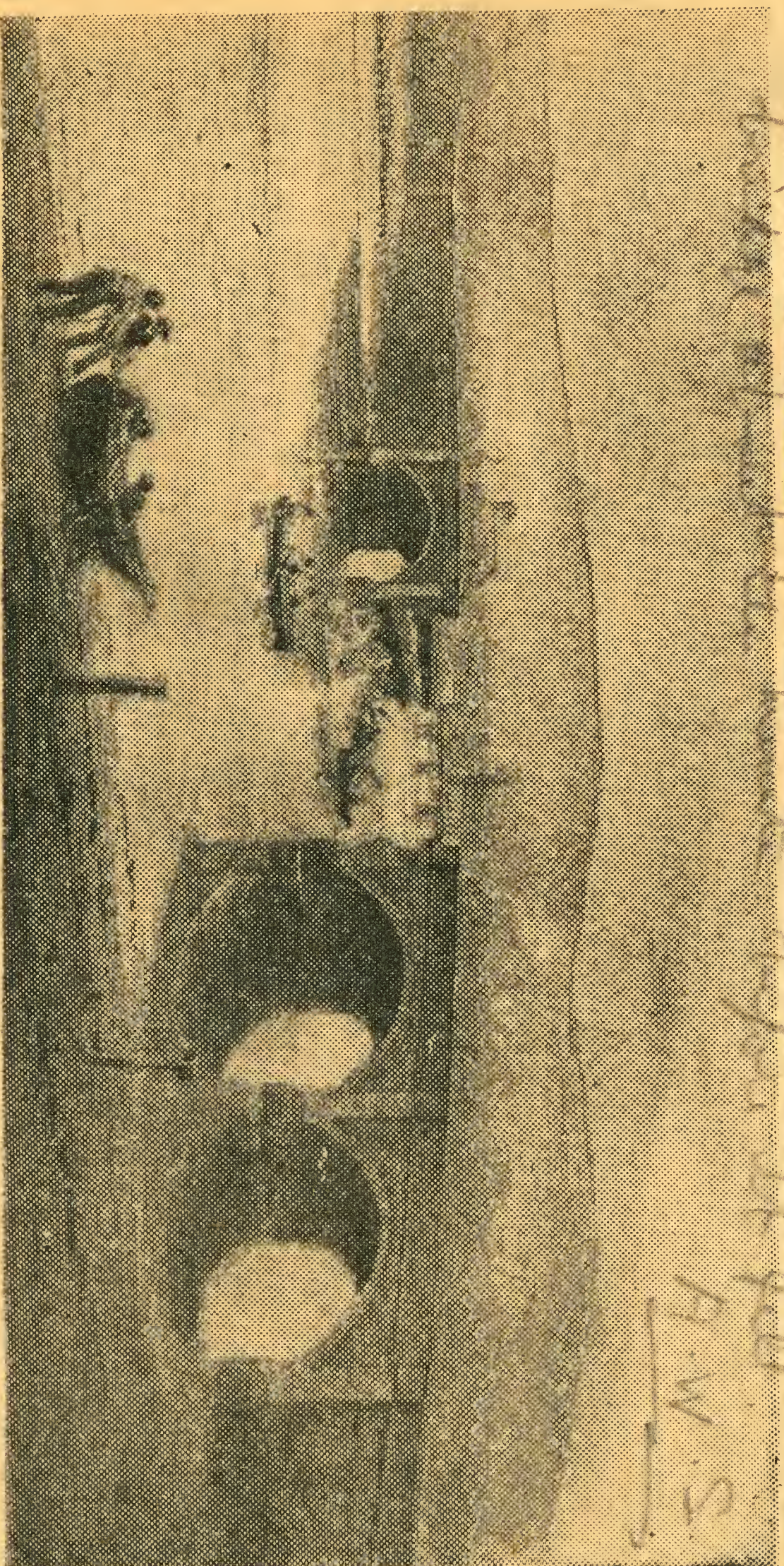
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THE OLD ALBERT BRIDGE—An illustration from a water colour painted the day after it had collapsed.

"KINNEGAR LOVE" REMAINS A MYSTERY, BUT

More light on Julius Leckey M'Cullough Craig

(By "The Roamer")

Readers of the "Belfast News-Letter" showed great interest recently in the verse to which they gave the title "Kinnegar Love," and which begins "On Carrick Bank I stud, I stud."

Who wrote this verse, and when, and were there any other verses now forgotten? These questions excited a lot of interest and much correspondence but no final answer can be found for any one of them.

The origin of "Kinnegar Love" though hundreds of Ulster people have heard the verse—or adaptations of it—quoted in the past, remains a mystery.

It was suggested in the course of correspondence on the subject that the author might have been Julius Leckey M'Cullough Craig, an itinerant poet who is well

inclination for writing, and he never put pen to paper again for the rest of his life.

He died on September 9, 1936, at his residence in Pearl Street, Belfast, and is buried in the cemetery attached to First Saint-field Presbyterian Churchyard.

'Fall of the Albert Bridge'

Mrs. Frazer cleared out much of her uncle's writings after he died, but she has in her possession one of his poems entitled "Fall of Albert Bridge." This may differ slightly from the original, which cannot be found, and it was written from memory by a sister of Mrs. Frazer.

I give this as a sample of his style and also to recall a minor disaster which caused a sensation in Belfast at the time.

The fall of the Albert Bridge occurred on September 15, 1886, when the old bridge, which stood on the same site as the present structure, collapsed.

The watchman strode his weary beat, his shivering path with rare, unconscious doing a feat he had never done before. The blessed moon seemed, passing through an angry rolling cloud, when suddenly an awful crash, and wallings deep and loud.

Like a thunderclap or earthquake it shook the streets around, the Ormeau from the Albert Clock to the rumbling sound was heard. Unearthly silence brooded then a moment over the scene, "Oh God, I thought I'd lost my sight and knew not where I'd been."

In the edition of September 16, 1886, the "Belfast News-Letter" describes the scene in terms less flowery than those of the poet:—

"Last night about twenty minutes to eight, the Albert Bridge over the Lagan, the foundations of which have, for some time, past, been reported to be insecure, suddenly and without the slightest warning collapsed."

The watchman referred to was John Mathews, and although immediately after the disaster it was thought that others had been killed, it turned out that he was the only one to lose his life.

Curious crowd

Julius Craig was probably on the scene soon after the crash occurred, as at that time he was living with his parents on the Albert Bridge Road, where they owned a newspaper and confectionery shop. The contemporary report in the "News-Letter" states—"It was represented that the roadway for some distance on each side of the break was insecure and crumbling, but people seemed quite willing to indulge their curiosity at the expense of their safety and to risk their lives for the gratification of peering over the edge of the ruin into the Styx-like water below."

Julius Craig was almost certainly among the crowd, and, no doubt, he risked his life for the gratification of peering into the abyss—here was material indeed! The poem continues:—
Deep in the fallen ruins a trembling female stands, "Save me," catch my hand, I'll never trust you more, But I'll walk my girl along the Strand and welcome her ashore."

A picture of Julius Craig taken shortly before his death.



remembered by a great many people from before the first world war.

Authorship cannot be traced, however, to Julius Craig and though I was able to publish an article about him and to give samples of his work on February 14, it was not then known where he had come from and what had happened to him. Since then some gaps have been filled. Julius Craig died 23 years ago and now has received posthumous notice which would have surprised and, no doubt, delighted him.

Niece's recollections

I have found that Craig's niece is Mrs. A. Frazer, of Beersbridge Road, Belfast, who kindly gave me the photograph of him published with this article.

Mrs. Frazer remembers her uncle well—a sandy-haired man whose beard and genial looks reminded people of King Edward VII. He used to set out on his travels dressed soberly, with a bowler hat and, in his later days, a stick. Strung around him were framed examples of his verses, as well as letters from important people. He was a fluent speaker of Gaelic, an important and probably necessary attribute in those days for one whose wanderings took him all over Ireland.

Julius Craig continued to write his poems until about the end of the first world war, when failing health forced him to take to his bed. This, added to the fact that his eyesight was also failing, seems to have removed his

"Ha'penny bridge"

Julius Craig ends his verses:—"So now adieu old ha'penny bridge, I'll never trust you more, But I'll walk my girl along the Strand and welcome her ashore."

The "ha'penny bridge," as it was popularly called, had been at one time a toll bridge—up to 25 years before the accident, when it was bought (for £4,500) by the Grand Juries of Antrim and Down and the Borough of Belfast from the private company responsible for its erection. The building to be seen in the picture on one end of the bridge was probably the toll-keeper's house. It was being used as a coffee-shop at the time of the accident.

Although there was a large amount of public interest in the incident—a police guard had to be placed on the bridge "in view of the overweening curiosity of the crowd"—it proved to be a wonder of short duration. Those were troublesome times. The following Monday a Nationalist mob attacked a police barracks in Davis Street, and in the riot two people were killed and several seriously wounded. As the current newspaper report put it:—"The subsequent excitement upon the collapse of the Albert Bridge has almost subsided."

The only comments on the downfall of the bridge that seem to have been preserved for posterity are those of Julius Craig.

Police were still searching last night for 24-year-old Ronald Kray, who escaped from Longrove Mental Hospital, Epsom (Surrey), on Monday, after transfer from Winchester Prison.

Q. and A. on ROSE AWARDS

Question No. 1

Name the growers with the fundamental record of holding more GOLD MEDALS for roses from the Royal Horticultural Society and the National Rose Society than any other growers in the world?

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Notice of Births, Marriages, Deaths

Acknowledgments. In Memoriam, which must be authenticated, and of Engagements and Fortcoming Marriages, which must be signed by both parties—24 words 4/6, every additional 4 words, or part thereof, 9d

Roll of Honour—in Memoriam

MCDOWELL—Sweet remembrance of Sergeant John Ingram, W.O.A.G., R.A.F.V.R. (only child), May 28, 1943, also birthday anniversary. The Lord giveh and the Lord taketh away, blessed is the name of the Lord.

Births

BARR—May 27, 1958, at the Lagan Valley Hospital, Lisburn, to Florence and Norman Barr, Whitelock Rectory, Ballygomartin Road, Belfast—a daughter.

EWART—May 21, 1958, at St. Mary's Hospital, Paddington, London, to Margaret (née King) and Dunlop Ewart, of Kew, Surrey—a daughter.

GIBSON—May 25, 1958, at Johnstone House, to Olive and Robert L. Gibson, 8, Lisboyne Park, Belfast—a son.

HAWTHORNE—May 25, 1958, at Johnstone House, to Betty (née Newel), wife of Roy Hawthorne, Sunnybank, Belfair Park, Belfast—a daughter.

ORR—May 25, 1958, to Betty (née Thompson) and Alastair Ian Orr, 254, County Road, Liverpool—a daughter.

Engagements

CANN—REID—The engagement is announced between David H., only son of Mr. and Mrs. H. Cann, Tintagel, Cornwall, and Margaret (Peggy) N. H., daughter of Mr. and Mrs. J. Reid, Loanda House, Newry, Co. Down.

Deaths

BARTLEY—May 26, 1958, at Lurgan and Portadown Hospital, Annie L. (née McKimney), dearly-loved wife of William James Bartley, Funeral from her late residence, Timakel, Scotch Street, Portadown, to-morrow (Thursday), at 3 p.m., to Derrybeg Church for her sorrowing Husband. At Home with the Lord.

BELL—May 27, 1958, at Hospital, Thomas, dearly-loved elder son of Caroline and the late John M. Bell, 11, Jeramone Street, Funeral from Thomas Johnson & Sons, 43, Bedford Street, to-morrow (Thursday), at 2.30 p.m., to Knockbrela Cemetery, House private. Deeply regretted by his sorrowing Mother and Brother, also his loving Friend, Eva.

CAMPBELL—May 27, 1958, (suddenly), at her residence, Lurganabbey, 10, Fernhill, Lurgan, the late Mrs. Campbell, aged 80 years, Funeral arrangements later. Very deeply regretted.

CARSON—May 27, 1958, at Plas Mary, Holywood, William, and Mrs. Carson, the late Haldane Carson, House, private, Service in Holywood Parish Church to-morrow (Thursday), at 2.30 p.m. Funeral afterwards to Holywood Cemetery.

CHAMBERS—The E.K. and Comrations of R.A.C. No. 623 regret the death of the son of their esteemed Member, Comp. A. Chambers, and tender their deepest sympathy.—R. Bowers, E.K.; S. Todd, Registrar.

COOPER—May 26, 1958, at Lurgan and Portadown Hospital, Samuel Cooper, Monbrief, Lurgan, husband of the late Susanna Cooper and beloved father of Gladys, Marian, Dorothy, Norman and Wilfrid. Service in Hill Street Presbyterian Church, Lurgan, to-day (Wednesday), 2.30 p.m., at 3 p.m. to-morrow (Thursday), at 2 p.m. Deeply regretted by her sorrowing Sister and Nephew.

COX—May 27, 1958 (suddenly), Dora Kathleen, only daughter of the late Rev. Thomas Cox, Ramonn Rectory, Ballycastle. Funeral private. No letters, no flowers.

CROOKS—May 27, 1958, at the Mid-Ulster Hospital, Matilda, widow of William Crooks, Sherrygrove, Duncannon, Funeral from her late residence, Derryvaughan, Duncannon, to Newbliss Presbyterian Churchyard to-morrow (Thursday), at 2 p.m. Deeply regretted by her sorrowing Sister and Nephew.

DOUGLAS—May 24, 1958, Letitia, widow of John Douglas, Killymaddy Knox, Duncannon. Funeral private. Very deeply regretted.

ELLIOTT—May 26, 1958, at her home, Tully, Nut's Corner, Crumlin, Aenes, elder daughter of the late Joshua and Eliza Elliott. Funeral to the family burying-ground, Crumlin (Presbyterian Churchyard) to-day (Wednesday), at 2 p.m. A rest.

HAMILTON—May 26, 1958, at the Robinson Memorial Hospital, William Hamilton, 80th year, Mr. William Hamilton youngest son of the late William Hamilton, J.P., Funeral from the Hospital, to Ballymoney Cemetery to-day (Wednesday), 2.30 p.m., at 11 a.m. House private. No flowers.

HERDMAN—May 26, 1958, at his residence, Ballyhill, Muckamore, Alexander S., dearly-loved husband of Jenny Herdman. Funeral to-day (Wednesday), 2.30 p.m., at 3 p.m., to the family burying-ground, Carnavey. Deeply regretted by his loving Wife and Family Circle.

HERDMAN—The Officers and Members of Johnson's Own Temperance L.O.L., 484, Ballyhill regret the passing of their highly esteemed member, P.W.M. M.C. A.G.C. S. and A. G.C. S. sincere sympathy.—Robt A. Ewitt, J.P. W.M.; Wm. Jones, Sec.

HERDMAN—The Officers and Members of Rising Sons of Victoria R.B.P. 366, Ballyhill regret the passing of their highly esteemed Sir Kt. Alex. S. Herdman and tender deepest sympathy.—Samuel Stewart, W.M.; Henry Gilliland, Reg.

HERDMAN—The W.M. Officers and Brethren

18th June 1958. Another dry day, but with
clouds; windless at times. Some melting, but
later a cold, hard SE. wind blew up & the
evening slackened to light breeze.

Finished the other side of the road garden &
a complete of *Sax. aizoides* with det. etc.
I gave them a few plants & moved them
with the "red soil sand" from Kilbuck, which is
really a fine granitic gravel, i.e. mainly granite.
Also gave some treatment to small plants of
Juniper from Downydown, SK. on top of
rockery & W. of *Solus acaule*.

19th June. A very warm, humid day with drizzle at times after
heavy rain at night & again in early morning. Wind very
light & varying between W. & E. In afternoon we
walked via Tipperary Wood & Lane to Mr. Livers's
to return a book & at last I identified (not left!),
1 *Aspilota* & 2 *Ichneumon* as follows in the box with me.
Also saw a lovely fresh ♂ *Proctos. pictus* &
2 ♂♂ of *Pimpla instigator* (the latter verified by taste!).

Leptocryptus pallidator? ♂, ant. 22.

Gen. at sp. near *Trichistus* ♂, ant. 23.

Orthostigma angusticollis? ♀, minute & visible? Ant. 22.

Received from Leger the first 20 colour films, processed, taken
with new camera.

20th June 1958. Mainly dull, but mild & dry, with light
variable breeze (mainly E); island drift from NW.

The event of the day was a package from Mrs.
R. Scammell of Nat. Museum, Dublin, containing many
small plants (on price!) of *Sax. aizoides*, with
some *Barren Linnaea*, *Vaccinium oxycoccos*, & much
moss, from "bog" at Ballacarrick, near Balmullick,
West Mayo. These I planted there in & at outlet end
of the new pool at the 2nd drop of the burn in back
garden.

21st June. Virtually a very hot day, after a very wet night,
with wind varying from E to S to W to E & so on, all day, & every time
it changed we had heavy rain or drizzle - often so much
at all. Could do nothing in garden except put out
the fern & *Pteris aquilina* (which have been in ground since)
for their usual summering. Miss Kettle & I called & gave
details of her re-arranging of *Pteris caudata*, "West from
Dart" in the Tyrone area of the Sperrin Mts., 4 days ago.

22nd June. Temperately sunny day & a warm morning
after rain after a morning drizzle. Wind as usual E to W
& varying from NW to NE & back again in sundown
& hence the drizzle! Packed up books & stockings
to go by post to Leger!

23rd June '58. A very bright early morning with NW wind after a cold dry night, but when it started before noon & wind dropped, then changed to E, a rain formed & in half an hour, torrential rain. Between 3 & 3.30 PM occasional drizzle followed, but in the whole the afternoon & evening was dry, with virtually no wind & some hot sun. Could do very little in garden as soil too wet & had to content myself with picking odd seeds by hand. Made some holes in can feeding, the pipe leading to the pool so as to keep this under water if lawn gets really long while we are away.

24th June. This day started cloudy with no wind but the arrival of an easterly wind brought the usual deluge in forenoon. However the afternoon & evening were dry & I got both fresh & back to work. In Blungham, the ant had, called in afternoon & reported finding a nest of *Leptothorax aculeator* by the Glen River above the upper bridge in the Downland plantation.

25th June. A most dreadful day, as depression rose up the Irish Sea. Heavy & continuous rain from 8.20 AM until bedtime. Finished feeding the moths before going on holidays to Norway, but could do no outside work.

SCOTTISH TRIP.

26th June 1958. George drove from Glasgow to Perth and I left the car at 4 PM, but via St. George's & caught the Glasgow boat 9 PM, as usual.

27th June. Arrived at the Brownies, Glasgow, at 7.20 AM, caught 7.55 train at Buchanan St. & reached Killin about 10.45, where the Clafeldy house was waiting for us & we reached the Ben Lomond Hotel shortly after 11 o'clock. After lunch Mr. H. E. Green, who had joined us at Killin having travelled overnight from Liverpool, and of the house here on the night before & then on of the eastern tides about to the upper boundary with. Saw some nice plants and as *Alchemilla alpina*, *Salix* cf. *phylicifolia*, *Polygonum viviparum* (which has been mistaken by Milgram for *Saxifraga granulata*?), in the more marshy spots on the slopes W. of the house some quite a lot of *Tofieldia calceolifolia*. A few insects caught & follow: — *Dolichopus curvus* ♂, *D. piniper* ♀, *Phaenocarpa* (small) ♂, *Chrysopa* (small) ♂, *Stenobothrus* cf. *tuberculatus* ♂, *Agathidium* (small) ♂, *Sciara* cf. *phlebotoma* ♂, *Hemiteles* cf. *neglectus* ♂, *Apanteles* ♂, *Centistes* cf. *lucidator* ♂, ant. 22, *Chalcid* ♂, *Platygaster* ? not id.

29th June 58. Sunday. A very muggy day with hill-fog & light variable breeze. In some places at intervals there was rain. At all the hills, however, in the afternoon.

2.30 till 3.45 P.M.

2. Afternoon. Swept hill side of the apple part of the glen of the hillside of the lower town as far down as the broken bridge = 2

1. From 11.0 AM till 1.0 P.M. swept lower part of school as far as the cherry trees at at foot = 1.

Insects taken at 1 = Larva, Larva, M.P.

Taken out of killing bottle.

Scorpion Fly =

[Ichneumon filicornis ♀ on big stump in glen.]

Ichneumon ♀

Ichneumon ♂ Cataglyphis fortipes ♀

Ichneumonid ♀ =

Tenthredopsis variata 10 ♂♂, of Scottish form.

Rhyogaster chlorosoma ♀ T. "nervosa" ♂

T. alba? ♂ Tenthredopsis ♂

Pteronidea myrtilata? ♀ Eupria ♀

Exochus ♂ Exochus ♀

D.P. ♀

24.6 58⁽¹⁾ cont. Low, Larva, M.P. cont. In weather!

Scorpion, Ichneumon? Antennae ♂

Epitoma ♀ not mtd.

Euphranta 13: mtd. 3 mtd. = Hemiteles ♀, ant. 21

Hemiteles ♀, ant. 27.

Chalcididae ♀, ant. 26.

Chalcididae ♂, ant. 17.

Homocidus 5: 2 mtd. = H. impolitus mtd, ant. 22: put in coll.!

H. cf. pictus var.? ant. 21, ♂.

Orthocentrus 3: O. cf. protuberans ♀, ant. 31, but much less broad than normal,

also 2 ♂♂, ant. 27 & 29. The former with normal small teeth in the ♂! (St. elongatus ♂ (ant. 25) & ♀ (ant. 26 & 27 mtd.)).

Stenomacrus 6: 5 mtd. (St. intermedius ♂ (ant. 30) & ♀ (ant. 28))

Tryphonidae 7: (St. cf. validus only: ♀, ant. 25, mtd. in its back!)

Tryphonidae ♂ & ♀ etc. = Cataglyphis fortipes ♀, dark femora (p. mtd.)

Pentaneura filicornis var. seminigra ♂ ant. 26. P. cf. - ant. 32 (see black mtd.!) (also = Pentaneura filicornis AWS 1405/16)

P. cf. dissimilis Holst. var. ♂, ant. 32. Phyllocnistis? ♂, ant. 30. fine yellow marked.

Meloboris penicillatus mtd. ♀, ant. 16. Meloboris ♂, ant. 25. Head of mtd. ♂, ant. 27. also with mtd. ♂, ant. 27.

Ichneumonid 1 ♂, ant. 35. Ichneumon? Thymelicid? 1 ♂, ant. 37.

Plectiscid 1 ♀, ant. 21.

Barichneumon parvicornis ♂, ant. 32. Apanteles cf. ruficornis ♀

Sigalphus caudatus ♀, ant. 23: old mtd. to spec. of long. = 111

Enallagma 3: none mtd.

Pesilus 2 = Pesilus ♂, ant. 28. P. cf. major mtd. ♂, ant. 22: similar to ♂ taken with type ♀ at Larva on 10.12.57 AWS. 15.13.58.

29.6.58(1) cont. Lane, Lanes, MP.

beetles Lucidius 4 SP. none all.

Blues 2

Opeus 6 = O. cf. semicirculatus ^{♀, ant. 22.} with obvious rather than minute sculpture!

O. fuscicornis ♀, ant. 20, also ♂, ant. 21. O. caelestis ♀, ant. 27

O. sp. 2 ♂♂, ant. both 25: the smaller like bolivianus, the larger like transversus, but?

Alcyonids 3: only 2 seen {O. (Briston) weismanni ♂, ant. 40

= Alcyon lupulus ♀, ant. 34. Phaeocarpa pullata, large ♂, ant. 38.

Aspilota 1 = A. cf. remota n. sp., ant. 18.

[No Exochus 55]

Chalcids 2 = Ch. cf. Stylo ♀, ant. 32; also ♂? this sp., ant. 42.

Aphidius only 2 or 3: none all.

Proctos many minute + about a dozen Serphids, including

Microgaster ♂

only two others all. =

Chalcids, 4? (Sent to Nixon)

2
1

29.6.58 cont. Lane, Lanes, MP.

Taken at 2. (4.30 - 3.45 P.M.)

Schizocampa ♂ = Gratiolochromus annulatus ♂, ant. 35

Ergaticus ♀: only 2 mtd. Emilia? small ♂, ant. 19 =

Emilia? large ♂, ant. 26 =

Schizocampa filiicornis ♀ taken at stump at foot of apple tree.

Bombus ♀: only 1 mtd. = Bombus palustris ♂, ant. 24: rare, no shoulder mark!

Stenomacrus sp. 6 = St. intermedius ♂♂ ♀ ant. 20 & 27.

St. minutus ♀, ant. 19

St. rubicundus? small ♂, ant. 24

St. cf. merula ♀, ant. 24

St. cf. affinis complex ♀, ant. 24

Meloboris designatus mtd. ♀, ant. 16.

Pter. Trichoptera!

Polyblastus cf. marginatus Haliday ♂, ant. 29. Gen. sp. 2 ♂♂, ant. 31 & 32

[Exochus lygus ♀ of fortis ♀, ant. ?; see p. 25 mtd.]

Microgaster ♂ & ♀ = sp. ♂ ant. both 39

[Exochus ♂: none seen when labelling!]

Proctos ♂ & ♀ = P. major mtd. ant. 26(♂), 22(♀) - not all.

Opeus 11 = O. xanthogaster ♂, ant. 32. O. leuc. W. 2 ♂♂, ant. both 28.

O. cf. caelestis? ♂, ant. 20: base of mandible not obvious.

Alcyon 5: only one mtd. = Phaeocarpa conspurcator ♂, ant. 29.
legible: rather narrow, but both mtd. & variable characters!

1st July 1958. A poor day of thick almost warm mist - wet mist & almost drizzle, with slight rain between 1 & 2 o'clock. I drove, left hotel at about 10.30 AM. & walked up the Laver Burn intending to go as far as The Stair in N. Corvick, but mist too dense to walk cliffs so did not go further than the outlet of Lochan-na-Cat. I found that the hydro-electric board in building the dam across the Laver Burn, tributaries from Meall Garbh had not done any damage to the burn above or below this which is built exactly at "the second crossing" where the course of the burn changes \pm from W-E to N-S. On outward journey visited the wet slope on right bank of Laver Burn about 200 yards below the broken bridge (at "the first crossing") & found the *Juncus triglumis* fully ripe & quite short, indicating it had flowered early during the cold & comparatively dry weather. Passing along the old track to the second crossing of the burn I saw the usual *Lycopodium clavatum* & *L. alpinum* & *Grapholium supinum*, all last also much shorter than I have seen it

1.7.58, cont. The Laver Burn, M.P., cont. in past years. About 1/4 mile from the second crossing I met the new road (a pipe-line) from here to Corvick. Proceeding past the new dam & weir (or intake) I went up the left bank of the burn as usual & saw the *Cornus suecica* & *Vaccinium uliginosum* in flower at the usual place & on return journey saw two plants of the *Cornus*, each with a flower, beside the path much lower down than the main colony of the plant, where I had not noticed it in previous years. During the day I laid myself out specially to look for willows by the burn & noted that the plant originally found on left bank not far below the Lochan had been almost killed & its stem, dead & black, but that it was now sprouting from the base once more. The small plant a few yards higher up seemed in much the same condition in 1951, 2, 3 & 4, while lower down & just 100 yards above the highest *Cornus* there was a new bush some 4 to 5 feet high growing below & outside a large boulder on left bank. ^{The original} these three bushes are *Salix phylicifolia*. ^{the original one is female, but see of the others not determined to day.} On the boulder in mid stream just below the "original" the *Erigeron* still occurs.

1.7.58, cont. Larnach Burn, NP cont.
 plentifully, with *Sax. aizoides*, etc., but appeared not even
 to be in bud. Returning down the burn I kept to
 its channel from the dam to below the broken bridge
 & saw there or four willows only, namely, on right
 bank $1/4 - 1/2$ mile above the bridge one bush of *Salix aurita*
 & below the bridge one *aurita* & two *phylicifolia*.
 The two *S. phylicifolia* are on the left bank & one in male
 & the other in ♀. Specimens of both ♂ & ♀ taken
 to dry & grow. Returned to hotel at 5.40 PM.

On way down the burn & well below the dam
 which is just above the 2,000 ft. contour, I came
 on a pool formed by a small tributary entering the
 Larnach Burn from NE. I found the pool & its
 tiny outlet full of a *Potamogeton*, which Mr.
 Colville suggests may be *P. natans*, but I suspect
 is only a form of *P. polygonifolius*.

2nd July '58. A very warm entirely sunny day, after two
 early morning thunderstorms. Mr. Green, Mr. Colville
 & I left the hotel at 10.20 & walked up the
 Larnach Burn to Lochan-na-Bat, where we had
 lunch. Later I went up to the E corner of the

Steed & walked along the S. facing cliffs & then across
 to the steep facing E. at head of the lochan. I saw
 all the usual plants including the two tufts of *Horridia*
alpina. The plants much further on here than in the
 West Gairn & I saw none in flower on coming into
 flower except *Engelmannia* which I only saw on the boulder
 in the burn below the lochan.

On returning to the hotel at 6.30 Mr. Green called
 me to see a huge Bumble Bee on his bedroom window
 which proved to be *Bombus distinguendus*, which I
 let out of the window.

3rd July. Another very fine, hot, almost all sunny day
 with fresh E. wind. The party (same as yesterday & also
 including J. M. H. Mason, of Belfast, who arrived yesterday)
 went by 9.42 AM. bus to the Glen Ligon road, where Mr. Gregor's
 car met us & drove us all to the head of Lochan-na-Bat.
 We then walked over to Craig-na-Lochan & walked S.
 seeing most of the recorded plants, including *Barbentonia*
alpina, *Trollius*, *Arabis hirsuta*, *Draba incana*, *Sax. rivale*,
Hyssopus, *Aizoides* & aff., *Sax. nana*, *Pimpinella*, *Lychnis dioica*,
Gym. rivale, *Oryza*, *Ochis nasuta* & *Hab. viridis*, *Loa*
alpina & *P. hibernica* (file Mr. Green), *Silene acaulis*
 (specimen of *Silene fontinalis*)

Scorpion Fly - ♀

Saxifraga Dolomieu 3

Cryptinid 10: none ind.

~~Orthocentrus~~ ⁷ ~~or~~ [unclear]

Monoblastus 2: not mtd.

Section 2, vol. cat. 22 =

Colletes brachius ♂: not mtd

Centistes lucidator ♀ not mtd.

Phaeocarpa conspurcator. 200. not mtd

Adelura dyctina ♀ ant. 45

4.7.58, cont. Glen, Larnes, M.P., cont.

Aphids of 3000 ft. all deeply pale legs, very pale at 2000 ft. *A. nigrescens* n. 222, ant. 19 & 21.

A. (Goddard) concolor ♂, ant. 19.

Orthotylus sp. ♀, ant. 21 & 22.

Diaparsites ♀: only 1 mtd. = Apparently *D. portae* (= *gracilis* (N.) Nixon!) but had more cubical & abd. 20 widened behind the eyes as in typical species; & somewhat more slender interstriae. ♂, ant. 29.

Cochinus ♂: 1 mtd. = *C. coccinellus* (L.)? (a ♀ which from shape of head I would think is *elongatus*, but the antennae are better of *elongatus* 18th seg. also 2 large ♂♂ with 51 & 53 seg. antennae & very dark wings, & same shaped head as the ♀. Really *C. coccinellus* mtd! Sep. 39 →

Aphidius ♂: mtd. = *Triclypeus* ♀, ant. 11.

Proctos 11: none mtd.

Chalcids ca 15: none mtd.

Beetles 2 =

Diptera 2: 1 mtd.

5th July '58. A very hot, virtually cloudless day, with light cool N-NE breeze. The whole party - now six / men in P.H. Keble & Moore, Michael Harrison, H.S. Green, Daisy & myself, together with an American Dr. (B) M. Arthur) left the hotel about 10 AM & walked straight up the SE. slope of Ben Larnes. Had lunch on the crag over 3,000 ft at 1 P.M. & then went on to the crater & summit. Saw

5.7.58, cont. Ben Larnes, M.P., cont.

quite a lot of small plants of *Sax. cuneata* or *crassa* below & S.W. of crater & found my patch of supposed *Sax. cuneata* under rock W of curved wall in poor form & with 3 old rusty trees piled on top of it. Spent half an hour here exploring & photographing - the distant view being very fine & clear. Snow patches on the Cairngorms & Linn. Loch-na-Gairn. Left summit about 3 P.M. & came down slope E. of Ben Larnes to the lochan, passing many little meadows, bogs which in former years were rich in *Juncus*, *Betula*, *Holcus* etc, but today very poor as vegetation very backward & stunted by early cold & drought. Had afternoon tea below SE of Ben Larnes at 4 P.M. & then walked straight back round N. side of the lochan & down Larnes Burn to the hotel, which reached at 6.15. Saw *Chrysomelina* *alternifolia* under overhanging rock near the place, but could see no signs of *Juncus biglumis*, *Betula atro-picea* nor *Holcus*.

6th July. Even hotter & virtually all sunny, but wind tending towards NW rather than NE, soft & strong in afternoon. Between 2 & 4 P.M. I walked in the glen by the tributary of the Larnes Burn & took the following insects: -

6.7.58, cont. Glen, Larven, M.P. cont.

Sawflies. *Tenthredo fuscicornis*, *Tenthredopsis namata* 2♂

Ametastegia (= *Alantia*) *carpini* ♀

Cryptus 11: only 2 mounted = *Pezomachus*? sp. ♂, winged, ant. 23.

few of sp.? Small black ♂, ant. 24, complete small world, *Triclistus* 2, 21.

Pimpla cf. *detrita* ♀, ant. 23.

13 wasps 8: 1 mtd = *Proctos. scutellariae* ♂, ant. 26. *Platygaster* 2 ♂♂ ant. 26+22.

Homocidus *impolitus* miki: ♂, ant. 20 (put into coll!). *H. pulcher*, dark ♂, ant. 22 & pale ♂, ant. 21.

H. pictus complex: ♂, ant. 22, black tergite!

Oulocentrus sp. 2 ♀♀, not mtd.

Chalcids 2 ♂♂ ant. both 27.

Tryphon 4: 3 mtd = *Mesochorus* sp. ♂, ant. 33.

Mesochorus? sp. not mtd, ♀, ant. 30.

Tryphon cf. *incertus* *Bruchii* ?? ♀, ant. 34: put in coll!

Mesochorus sp. ♀, ant. 40.

Theridion ♂: ant. 25.

Platygaster 2 = *Platygaster* ♀, ant. 19. *Helictes* ♂, ant. 28.

Aspilota 6: only 2 mtd = *A.* cf. *pallipes*, 2 ♀♀, but no head or propodeum.

Pezomachus *achaeae* ♀, ant. 34.

Euphorus cf. *pallipes* ♂, ant. 25.

Leptocryptus cf. *ater* ♀, ant. 25: sternite bidentate!

6.7.58, cont. Glen, Larven, M.P. cont.

Aspilota 5 mtd = *A.* cf. *stigma* mtd 10 (ant. 22), 2 ♀♀, ant. 22 & 24.

O. (B.) *procerus* ♂, ant. 19. *O.* (B.) cf. *expansus* ♂, ant. 19.

Aspilota 15: *Aspilota* *dictyana* ♀, ant. 48: mtd on its back.

Orthostigma cf. *pallipes* (H.) ♀, ant. 20.

Aspilota 6: 5 mtd = *A.* cf. *fuscicornis* 10 (ant. 17) & 1 minute ♀ (ant. 15).

A. fuscicornis cf. ♀, ant. 18+ (better off!); mostly wings, 1 [see below from AWS 27.12.1958]

A. cf. *fuscicornis* small ♂, ant. 25. *A.* (S.) *concolor* ♂, ant. 16+ (better off!)

Pezomachus 15: 3 mtd = *P.* (P.) *pubescens*, 1 large ♂, ant. 56.

P. (P.) *adducta*, large ♀, ant. 31.

P. cf. *tricus*, 1 ♀, ant. 35.

Proctos. aspilota mtd ♂, ant. 50 {2000 taken here on 4.7.58 are probably some species (see p. 36 notes!) but their heads not so expanded behind the eyes as usual! AWS.

Aphidius ca. 6: none mtd.

Proctos. ca. 20: only 1 mtd = *Polyblastus*!

Chalcids ca. 12: none mtd.

Cynipid 1 } none mtd

Beetles 2 } none mtd

Hemipteron!

7th July 1958. Another all morning very hot day but clouds gathered in evening, wind weak & strong in afternoon & evening. The whole party took 9.42 bus to Edromuckey (off Glen Ligon Road) & were driven in Mr Gregory's truck to head of Lochan-na-Labriga (as on 3rd July) & ± made the same tour of the cliffs - breez - in Lochan. Saw the same plants & also a very miserable Juniper bush (this Kerthend!), one plant of *Gymnadenia albida*, *Thalictrum minus* (= *montanum*?) in at least four places on the southern cliffs, which we did not visit on 3rd. As well as one small plant of *Pyrola* (sp. *rotundifolia*) with only two leaves, on lower middle cliffs, but we saw no sign of the clump seen at the north end in '53. On way up to cliffs at 11 AM I caught a Deer Boat Fly (*Cephenomyia* ^{= *auriculata*} *rufibarbis*) which circled round me several times in the hope I was a new kind of deer I suppose. Walked back to Edromuckey & caught 3.15 PM bus from Killin. *Mellicia nutans* still in gorge above Edromuckey!

8th July 58. More clouds about, but very warm after early morning mist on hills, - just a beautiful day.

Whole party left hotel about 10 AM, for the Yellow Corrie. Saw plenty of *Lixia cordata* amongst the *Calluna* at top of path down to the broken bridge at the first crossing of the Laven Burn & the usual *Grapholium supinum* between that & the second crossing, where the new dam is built.

On ascending the tributary leading up to the col at top of Yellow Corrie we turned aside to look at various *Phlox* coming down from the ^{and} *W. pin* one of them found a truly magnificent show of *Carex microglochin* in absolutely perfect condition. The bush of *Salix lapponum* overhanging the burn looked as usual & I took a photo. of it, but the *S. nigricans* on cliff in right bank further up seemed greatly reduced.

The big patch of *Samolus alpinus* on some bank was very fine form but only in bud. Just above this we had *Samolus*. On reaching the col it was evident that the vegetation was very backward & so we pushed on towards & away W. of the col & on the way saw much *Kobresia* & in one place a very few spikes of *Carex atrofusca*.

On the peaty flat behind the crag down all to show moon the *Agrostis proserpinacoides* & *Oxycoelum* *nervosum*, both with a few flowers still showing.

8.7.58, cont. Yellow Corrie cont.
 but several as we might we could not see any grass.
 Lichens we did see in some during the day - some in
 places I have it in abundance so it is evidently rare,
 like the year. The rest of the party saw a few scraps
 of lichen on summit of the corrie. Noon, Morrison & I
 came round the face of the corrie to see the bears reported &
 found also one very large patch of *Sedum reticulatum* (photographed
 by Morrison), *Chenopodium*, *Sedum hybridum* (locally called)
 & other common alpine. Crossing the corrie we
 then made our way up to the cliffs of small gould grass
 on the very high rock flanks, but only a few patches of *Carex*
atrofurcata out. The head of *Sedum laetale* on the cliff very
 much reduced (by the deer?) but still healthy & very
 small tiny tufts to grow. The only other plant seen in
Silene dioica procumbens, but on crossing the S. side of the
 ridge on way back to the corrie we found a big plant full
 of *Carex microglochin* just coming out & also off
 bank of the burn *Kobresia* in the usual quantity. This
 form of *Kobresia* like caused some interest as it more
 resembled *K. simpliciuscula* as illustrated in Nordhagen's
 Flora of Norway, than *K.* - the species
 usually recorded from Britain.

9th July '58. A cooler day with early morning
 drizzle & a few light shifts during day, but
 no rain. Wind W. & at times approaching gale
 force.

The party (6) driven by Grant-Roger to summit
 of new road from Keshnock in Glen Lochay to
 Glen Lyon from whence the Moon & Morrison
 set out for the corrie on N. face of Beinn
 Neasgarraich. H. & Green & I spent day on
 the scarp of the "Corrie Ban Beag" but
 did not attempt to go further. The first party
 found *Dryas*, *Carex atropurpurea*, *Plantago alpina* & *Juncus*

rectus & *J. biglumis*. Mr. Green & I found
 a rich flora but of the plants mentioned only the
Carex atropurpurea. *Carex pauciflora* was very
 common in sweeping hollows on the peaty area,
 the corrie across the burn, *C. saxatilis* &
C. atropurpurea on the wet ledges below the scarp,
 also seen were *divies*,
Chenopodium, *exhausta*, *rostrata*, *pilulifera*,
Scirpus alpinus frequent on scarp &
 with *Rubus chamaemorus*. *Sedum capponum*
 frequent on the cliffs & out of reach of the deer
 & *S. myrsinites* seen by Moon & co.

8.7.58, cont. Yellow Corrie cont.

but several in one night we could not see any *Juncus* *highmanii* nor did we see any during the day - even in places I know it is abundant so it is evidently very late the year. The rest of the party saw a few scraps of *Azalea* on summit of the corrie. Moore, Morrison & I then came round the face of the corrie to see the *Corrie* vegetation & found also one very large patch of *Silene acaulis* (photos taken by Morrison), *Chamaenerion*, *Salix lapponum* (leaves yellow) & other common alpine. Crossing the corrie we then made our way up to the cliffs of small *Geranium* growing on the very steep, very rocky flanks, but only a few patches of *Geranium atropurpureum* etc. The bank of *Silene acaulis* on the cliff very much reduced (by the deer?) but still healthy, very small being taken to grow. The only other new plant seen was *Silphium* *prostratum*, but on crossing the S. end of the ridge on way back to the col we found a big patch full of *Geranium macranthum* just coming out & also off bank of the burn *Kobresia* in the usual quantity. The form of *Kobresia* like caused some interest & it more resembled *K. simplicicaulis* as illustrated in Nordhagen's Flora of Norway, than *K. - the species* usually recorded for *Sutcliffe*.

9th July '58. A cooler day with early morning drizzle & a few light whiffs during day, but no rain. Wind W. & at times approaching gale force.

The party (6) driven by Grant-Roger to summit of the road from Keshmuck in Glen Luchay to Glen Lyon from whence Mr. Moore & Morrison set out for the corrie on N. face of Beinn Heasgarnich. H. & Green & I spent day on the scraps of the "Corrie Burn Scree" but did not attempt to go further. The first party found *Draba* ^{*barrae* *drupacea*}, *Silene acaulis* & *Juncus* *restuosus* & *J. highmanii*. Mr. Green & I found a rich flora but of the plants mentioned only the *Juncus highmanii*. *Geranium pauciflorum* was very frequent in scree, *Silene* on the peaty areas, *G. caeruleum* around the tarn, *G. saxatile* & var. *dictyon* on the wet ledges below the scree, *G. repens* on the scree, also seen were *Diodes*, *polian*, *perian*, *exilis*, *rostrata*, *philipha*. *Vaccinium myrtillus* frequent on scree & with *Rubus chamaemorus*. *Salix lapponum* frequent on the cliffs & out of reach of the deer & *S. myrsinites* seen by Moore & co.

P.T.O. \rightarrow

Salix 2^B = Left bank of Laram. Burn.
1.7.58. 5 cuttings.

Salix 3 (S. glauca) the ones burnt on
burn below L. on 1st. 2.7.58
2 cuttings.

Salix 2A same as 2^B. 6 cuttings.

Salix 4B. Greeng. on Laram. 3.7.58. dead.

Salix 1. Cappowum ♀ by burn on
W. corrie. 30.6.58 & seed?

Salix 4A Greeng. on Laram. 3.7.58.
♀ (+ seed) 2 cuttings.

Salix sp. ? & S. lanata. Burn + Yellow
Corrie.
12 cuttings. 11 cuttings.

Salix lapp. & arbuscula (2 cuttings; green)
burn below B. on E. side. 15.7.58.

On one side are the lanata.

Cappowum complex (1 root &
many cuttings) & 2 cuttings of
arbuscula ? all from

well on S. side.
13(?) 7.58.

Other side Cappowum, phylicifolia.

1 (from Corrie, Ban Beag,
Burn, Heasgermit?)

P. T. O. →

12/12/58

2nd part

Small pot: *Salix myrica* (♀)
by burn on S. slope of Co. Limer.

9.7.58, cont. Garvie Pass, Ben Haggard's out.
Saussurea in bud & not rare & many other alpine

On way home down Glenbuchan, we found a colony of very pretty
Brankia amongst rocks & later road & 4 mi. a little below
Tullick Farm.

10th July '58. A cloudy day with light east W wind
& the only sun in late afternoon.

J. H. H. Moore & I went by 9.42 bus to Killin
where W. Gregory car picked us up & drove us up
Glen Buchan to Sainchoagh, from where we
ascended over the rough moorland to the south end

of the N facing cliffs of Meall na Sannas, i.e. 2500 ft
& worked eastwards from the Dugan-Bentons cliff to
the Salix lanata cliff & on back to car. Left

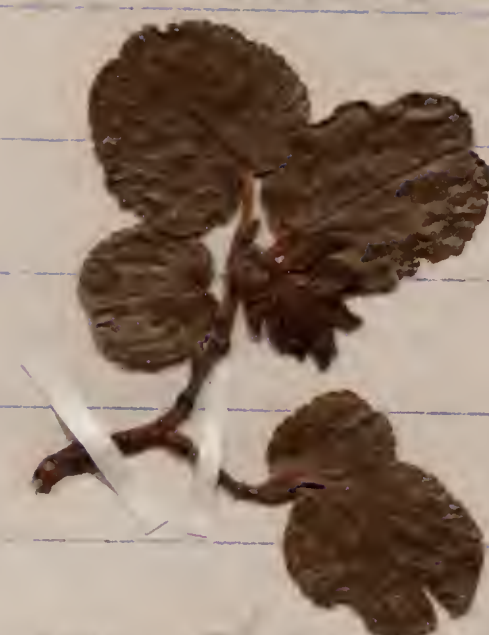
the car about 10.20 AM, reached cliffs at 1 PM, & had
lunch, had aft tea at the Salix cliff & left it at
4.10 & reached the car on the stroke of 5.30 & we had
arranged. The last plants seen were *Fragaria*, *Barbarea*

alpina (a common one even), *Salix lanata*, *Leppidium*,
Myosotis (the "green willow" seen on middle cliff in 1952),
Arbutus & *reticulata*, *Sax. nivalis*, *Carex repens*
(but not in flower) on the willow cliff, & *Juncus bispinosus* on
the drifting place at E end of same. *Saussurea alpina*

10.7.58, cont. Meall na Sannas, cont.

& many other rare plants seen, including the *Pentago maritima*
on the north slopes at 1500 ft or less on way back. Much
Listera cordata amongst the heather (where the soil is bare)
& *Cladonia* seen in fruit. A very little *Vaccinium*
uliginosum seen near the cliffs, but much of the area
covered had been burnt recently or during last few years.

H. E. Green & Michael Morrison went home this morning
by 10.45 train from Killin, while Daisy & Miss Kerthland
took a day off. Many new roads being constructed
all over the district by the Hydro-Electric Board in
connection with their schemes.



11th July '58. A rather cold & stormy day with strong NW
wind at times & a few sunbursts. Moore, Miss
Kerthland, Daisy & I took 9.42 bus to Garvie &
walked up into the Meall na Sannas & about. Miss Kerthland
returned to the bus, Moore, Daisy & I came home via
"the crater" & S slope of Ben Lomond. Had lunch
at the big rock where *Myosotis* begins & left car in
shelter SE of the crater. The vegetation much improved

11.7.58, cont. West Corrie, Ben Lavin, MP, cont.

since 30th June, but still consider very poor compared with previous years. There no *Engelm.* seen on the big cliff in flower (1 small one at foot on grass & 2 with leaves only) & the *Veronica* fruticosa found on cliffs facing W. apparently gone, though one small plant still in flower amongst grass on the slope with the *Engelm.*

Sedum villorum however seemed very abundant both by the mill down the corrie & all over the bare rock below the big cliff where *Artemisia rubella* also appeared more common than usual.

Juncus hispidus seen at foot of the *Sedum villorum* hill & all the other usual plants. On climbing the gully to the crater we saw very many plants of *Sax. cuneata* as on 5th July.

Did not visit the crater proper as too windy & cold. On the return journey Moore & I made a detour to see my bank of *Salix nigricans* by the burn on S. slope of the Ben & the *Holcus lanatus* on hill pasture on S. slope of Meallach.

12th - 13th July '58. Lavers, MP.

Continuous wet - drizzle varying to heavy rain from 6 AM on 12th until dark on 13th, with wind shifting from SE towards NE in afternoon of 13th & rising to almost gale at 8 AM.

On 12th Miss Daisy Barton, who was on a B.S.B. excursion & staying at Goshier's, came to see us & had lunch. She is reported to be 84 & the previous day had climbed the Lavin Burn to the col leading to the Falkland Corrie to see *Carex microglochin*, & later, in the afternoon, gone with the party to head of Lochan-na-Luirge to see the Dugan, &c.

We also met Miss Mary McCallum Webster for a few minutes during which she whispered that her station for *Carex alpina* - published as "in the neighbourhood of Ben Lavin" - was in reality, "at the back of Meall Garbh" between Meall Garbh & the Stuib! Grant Roger arrived with family on evening of 12th & left about 4.30 on 13th. Miss Beatty (12 spelling) of Edinburgh arrived on evening of 11th & is to stay till tomorrow morning.

14th July '58. A fine breezy day with some mist in morning & forenoon, but a very nice late afternoon. On the high ground & N. side of the hills the wind very strong & cold. Daisy & I left the hotel at 9.40 & walked up the burn to Lochan nan-Gat & had lunch N. of same & then worked up a big scarp on S. side of Meall Garbh, which held a nice flora with plenty of *Saxifraga* & *Erigeron* & all the common alpine. Took photo. of *Erigeron* & later saw dozens of blooms of same on one high shelf amongst *Saxifraga* & *Geranium sylvestre*. On reaching top of scarp we slanted across to the col between Meall Garbh & The Stuir & having seen & photographed the *Cystopteris montana* we made our way up the W. side of Meall Garbh to search for him in hollow Robertson's *Carex alpina*, but could only see a lot of rather fresh *Carex rigida* with all the spikules in a clump at the top. Left Meall Garbh about 5 P.M. & came home via the Lochan & the Lower Burn. Reached the hotel at 7.10 P.M. Collected some plants for the garden.

15th July '58. A wretched day of drizzle & thundery showers & no visibility. Intended working from Breag-na-Baillidh along cliffs to Ben Breag in the Tarmachan range N. of Killin (Mr. Kirtland, Daisy & I) so got car to meet 9.42 bus at Ednamuchy, which drove us up & along the hydro-electric road almost to the quarry E. of Breag-na-Baillidh. We then followed a small burn northward to the cliffs of Ben Breag, but as soon as we left the car the mist descended & rain began. For the next two hours we groped our way up & about the numerous knolls & crags of the range, seeing many nice plants of course, but no landmarks I could recognise which would have helped me to find the patch of *Carex grackii* that was the chief object of the day. At 1.15 o'clock (lunch time!) we found ourselves, I think, at the pass through the range — the "Finn Linn" — but looking northward towards Glen Lyon instead of S. towards Killin. Having to walk back to the bus we therefore retraced our steps, gave up the hunt & made for the quarry road & so back to the bus where met by Alistair Robertson & his car. The weather had cleared about lunch time, soon deteriorated & a very heavy thunder shower & wind forced us to take our afternoon tea under the bridge of the quarry road below the dam.

15.7.58, cont. Basin - Easton, St. cont.

Of the plant near *Sax. rivularis*, various forms of *Carex saxatilis* & much *Kobresia scariosa* perhaps the most important, also *Juncus ligularis*. The *Kobresia* occurred in great quantity - fluster down to within a few yards of the quarry road 1/2 mile below (E of) the quarry, its flower spikes being much more compound & rounded than those of the plant seen a few days earlier in the Yellow Corrie: two taken to grow.

16th July. On our last day at Larnum I alone, returned to the Yellow Corrie & in afternoon I crossed the SE shoulder of Mount Garbh to visit the scarp facing up the North Corrie towards Ben Larnum, where the big old Juniper grows (see my diary for June 1947!) & thence home via the Larnum Burn. Mainly dull, calm & threatening but I got not a drop of rain though heavy rain fell later. On the way up the tributary of the Larnum Burn to the Yellow Corrie I visited the flask on its W side where we discovered the big

16.7.58, cont. Yellow Corrie, + C, M.P. cont.

patch of *Carex microglochin* on 8th July & tried to photograph it & its immediate surroundings.

Later had lunch beside the Salix Lappaceum overhanging the waterfall (photo'd by Robert Adam) & took photo. of it from below the fall. Then went on to the col & to the crag NE of the col to get *Carex rupestris* for Mr. Warren (who had stayed at Larnum Hotel on night of 14th-15th & said he would like to see a specimen!).

On the way from col to crag I crossed a flush full of *Carex atropurpurea*, *C. microglochin* & *Kobresia* (rather higher than usual & one I had not seen before as it lies on a slight shelf & is hidden from below!). On the crag, before reaching the *C. rupestris*, I saw *Juncus trifidus* & a stunted form of *C. rigida* similar to that found on back of Mount Garbh on 14th. Then crossed summit & went down to re-examine the 'arena' to Yellow Corrie behind & S.E. of the crag. Got small pieces of the *Loiselauria* & *Oxyecus* to grow, as well as *Thiditrum alpinum* & *Eriopetrum* (? *brachyoditum*) & from the crag & flush *Juncus trifidus*, *C. rigida* & *C. atropurpurea*, some pretty-coloured *Armeria*, *Silene acaulis* & *Chorizanthe sedoides*. Also from below the lunch place brought home a *Poa* (? *phlophora*).

16.7.58, cont. Yellow Corolla, etc. cont.
Viola riviniana (the big flowered, light, etc. form?), *Oxeye diggins*,
Gaura rivale, *Sax. opp.* & *Silene acaulis*. On the way up
 the Burn in forenoon. Took in Dub = *Trifolium brachylobium* or *30.*
 & a red legged or *Bittis* = put in coll.

17th July. After a wet night & dull morning, a cloudless
 & very warm afternoon & evening.

Left Larne by noon train, had lunch on Killybegs station
 platform & caught 1.40 train to Killybegs Junction & so to
 Glasgow at 4.42. Put luggage in left luggage
 office & had off tea at Reid's cafe & went with
 for Buchanan St. Station. Then "sat it out" in station
 till it was time to go on boat at 7 P.M.

18th July. George & Dora met us at Belfast at 6.30
 next morning after a smooth passage: we had our
 breakfast at George's & he put us on the bus at
 8.40. Travelled by 8.50 A.M. bus to Newcastle & so
 home by taxi shortly after 10 A.M. & found everything
 in perfect order & spotted by the Andersons
 who had been occupying the house while we were away
 & had returned to Dublin the previous evening.
 Much growth in the garden due to the wet weather
 & many plants will require severe cutting down.

18.7.58, cont.

While naturally used, very much in evidence, where
 I had left none. *Rosaphora* only just ripening,
 & straw berries not yet ripe. Most of the apples
 had fallen off the same green cordons, but on the
 whole the situation in garden very satisfactory.

19th - 21st July. Warm, with heavy showers & some
 hot sun. Every place very wet & weeding, could
 only be done by hand picking except here & there. Spent
 the time picking weeds, getting the plants brought home
 attended to & weeding in the most urgent places.
 dug upper half of 1st row of potatoes in main plot
 planted on 3rd April: these may be either Arona Pilot
 or Ulster 611ptain. The half row yielded a full
 bucket of good sized spuds, but rather watery &
 without flavour to eat!

The *Sax. hirculus* in "pond" not yet in flower, though
 one bud showing yellow & all looking quite happy.
 Two fine plants of *Sanifraga cernua*, 3 or 4 inches in height
 covered with bellies, & others with fine big leaves.
 The *Primula suttonii* virtually over & only an odd flower here
 & there remains. The *Ginkgo* looking very healthy
 & with several new shoots forth first time for years.

19th - 20th July 1958, cont.

Both the main & side (spotted) bister bushes covered with flowers daily & very happy looking. The first *Cornus* flowers just out. Sweet-William in full flower & first *Nerasterium* flowers open.

Having got most of my new Scottish plants in place by 20th I ordered a new 'babys' bath & 60 ft. plastic hose to make a second pond by the river walk to take a few which remain; these include *Cornus pauciflora* (from E. of Burn Hagganich) & *C. serotina* (Burn - on - E. side) var.

Cornus microphylla, *Tofieldia*, & *C.*, planted in the No 1 pond!

22nd - 24th July. The 22nd & 23rd were both dry sunny days with drying wind from NW-N on 22nd & end, 23rd but a drift of latter wind from the sea sprang up (i.e. E.) & was strong all night & on forenoon of 24th. Drizzle then started & wind dropped completely as heavier rain came on & lasted all evening.

The drying wind & sun enabled us to have a good bonfire on 23rd to get rid of accumulated garden refuse. Finished digging first row of potatoes in main plot (Carnegie Plot + Water to Kipling; see p. 53.) which yielded all told 3 buckets full of nice tubers, but we don't consider them worth growing when compared with Ballydoon. On 23rd I placed the new

'babies' bath in position by the river path halfway between 1st & 2nd loop of the burn, thus forming No 2 pond. I laid on the supply from the burn by 60 feet of 1/2 polythene piping, making a small dam on the burn just above the big boulder in the way.

In this second pond I planted *Cornus serotina* & var. *C. pauciflora*, *Tofieldia*, & *C.*. The first (*serotina*) from near Burn on - E. side, the *pauciflora* from E. of Burn Hagganich, & the *Tofieldia*, & *C.*, from top of the Yellow Corrie. All Mid Galt.

On same evening I placed the 3 bister and pots containing cuttings of various *Salix* (2 pots) & two plants of *Lonicera procumbens* in the 3rd pot (from avenue to Yellow Corrie, M.P.) all covered by polythene, in the ground where the potatoes had just been dug from & at lower (burn) end of the row. The remaining plants brought from Scotland are in separate small pots & one large seed pan & include *Silene acaulis*, *Chelidonium majus*, *Myosotis alpestris*, *Scilla maritima*, *Scilla* spp., *Scilla alba*, *Cornus strobilacea*, *C. serotina*, *Rubus chamaemorus*, *Cornus suecica*.

The *Myosotis versicolor* var. *libanica* ^{♀ R.C.P.P. seen on *Campylopus* *reticulifolius* in rockery} on 24th opened fine & sunny with very strong E. wind, but clouded over & drizzle started about 2 P.M. & gradually increased to rain in evening & wind dropped. In evening distributed "Planted" to all the new plants & a few of the older ones, eg *Scilla cornuta*.

25th-27th July. Very mixed weather, hot, chilly, calm, windy, very wet at times, fine & sunny other, with showers. Continued the clearing up garden when possible. On 27th (Sunday) in the aft. we walked through the plantations & up the western half of the new forestry road round Drinahilly, & home at 4.20 P.M. just before rain set in for the night from SE.

28th-29th July. While 28th was wet in forenoon & the afternoon dry, & even & rather windy, the 29th was quite dry with cloud & some very hot sunbursts.

On 28th I put the Scottish plants which I had put into a seed-pan or pot. into the upper border just S.W. of the greenhouse, sinking the pan & pots flush with the soil. The plants include *Silene acaulis*, colour var.; *Cherleria redonda*, *Rubus chamaemorus*, *Cornus suecica*, *Myosotis alpestris*, *Sax. oppos.* & *sig. nictar*. *Sax. nictar*, *Dryas* & *Saxia reticulata* - the last two from the Bartsia cliffs in Durnall an. *Sambucus* on 10.7.58 both have very small leaves, perhaps due to growing on a dry rocky shelf?

30th-31st July. Heavy shower all forenoon on 30th but afternoon mainly fine with some sun; fine all night & cloudless with hot sun all forenoon of 31st, gradually clearing over & commencing to drizzle about 8 P.M., wind light, westerly till 10 A.M., then easterly & at times quite strong & cool.

On 30th I received a letter from Barclays Bank notifying me that a second allocation of Lucy & my brother Caldwell's estate was being made & my portion (1/8th!) was as follows: - Transfer of Shares divided as cannot be sold at present

£999 Stewart & Gray Ltd. Ord. £1 share

(valued for probate @ 10/-) = £499.10.0.

£25. Malden Venderer Ltd. 4% 70

First Mortgage Debentures @ 40% value 10.0.0.

£100 Malden Golf Club Ltd. 4 1/2% Debentures " 4.0.0.0

£549.10.0

Cash - £4.698.3.0

The transfers signed & witnessed at bank, together with the receipt for the cash (lodged to my a/c. in Prov. Bank, Berthelham the morning.)

posted to Barclays Bank on aft. of 31st.

Aug 2nd row & completed 1st row of Arran Pilot potatoes: planted 3.4.58

30-31/7/58, cont.

On 30th I saw Swifts, a usual, but none at breakfast time on 31st & I thought the local birds had departed as they appear to come late & leave early. However, about noon I did see two Swifts, perhaps local birds or perhaps strangers passing through.

1st August '58. Much drizzle with clouds S & wind light off the sea (E) after a cloudless morning with burst of heavier rain & intensely hot sun alternating.

In evening wind gusty, & from W-SW with further rain. No Swifts seen today! A dead *Spizella* - excavation of ant. 30, found on kitchen window, Tullybrannigan.

2nd August. This turned out a very nice, mainly hot sunny day, after a heavy shower in early forenoon & I got quite a good bonfire going in the afternoon & cut the front lawn before dinner.

Many House Martins seen sporting over Newcastle in afternoon by no Swifts seen.

Dug top 1/3 of 3rd row of potatoes (Arvan Pilot) which was planted on 3/4/58. Some of these potatoes are veritably huge, especially those from 1st (top), 3rd & 5th plants, the spuds from which alone filled a large bucket.

3rd + 4th August 1958. Very warm & humid on both days with ± drizzle much of the time & very hot sunbursts, but wind off the sea & light (cool) north of 3rd & westerly with gusts of gale force all 4th.

On 4th saw a fresh Small Tortoiseshell Butterfly & dug rows 4 & 5 in main plot of Ballydoon potatoes, as well as remainder of row 3 of Arvan Pilot. The row of Arvan Pilot yielded almost 3 buckets full many of which were huge. While row 4 & 5 yielded just two buckets of medium size, very nice, spuds. The top plant in row 5 bore five nice good sized tubers (see note under date of planting 7th April 1958, Vol. 25, p. 136, of *Diary*!). While the bottom two plants, grown from two halves of a large tuber yielded only an average crop of smallish spuds. Some of the other plants grown from recent small sets gave fine crops of up to 12 good sized tubers.

Caught a fresh ♂ *Yersia norvegica* running himself in leaf of *Chrysanthemum* by the river path about noon on 4th. And a small white cocoon, like that of *Apanteles* found a few days ago beneath a cabbage leaf. He today produced a ♂ *Campoplegid* i.e. = *Angitia* *fructulosa*? Two similar cocoons also on cabbage, found since he above but not yet hatched.

5th Aug. 1958 After a very hot night (a cold front moved over on a southerly track) a dry day with much hot sun alternating with cloudy periods. Becoming warm once more. Wind very light, W to NW.

Long the 6th row of potatoes - Ballydoon, grown from the cut-tubers of large sets - planted in main plot on 18.4.58. Then gave a very good crop & some plants a really fine crop up to 21 spuds of eatable size. Also dug the two uppermost plants in Row 7 as they also grown from cut-sets.

6th to 8th Aug. All day "good in parts" but all spoiled by showers or drizzle; wind light variable. Continued to dig potatoes when possible & dug the following rows in main plot (planted 18.4.58):
Row 7 (all but first two at top already dug) on 7th. Not quite 2 full buckets of nice spuds, but some large & a good many smallish.

Row 8. Two full buckets from a shortened row of nice potatoes, but mainly small to medium. A bigger crop of similar potatoes to those from row 7.

Row 9 Ulster Chieftain; one piled up bucket of medium to large tubers from a still shorter row. Laid aside 7 for tomorrow's dinner!

8.8.58, cont.

From a second small white mouse found under a cabbage leaf a ♀ was proleged emerged today (cf. emergence on 4th Aug (p.59) = *Agrotis penicillata*?)

9th Aug. '58. After prolonged & very heavy rain from before dawn till 11 AM. a hot, calm, hazy day, with light drizzle off & on. Wind from S. rising in evening. No work possible in garden but little weeding & watering.

10th Aug. (Sunday). After very heavy rain at night, very low hill fog covered everything down to 300 feet & drizzle or rain fell all through the day till about 6 PM. when it & cleared. Daisy's cousin William Dawson Pounden & his wife ("Lillian") arrived about 7 PM. to spend a couple of nights with us from Worcester, Ohio, U.S.A. (625 Sunrise View Dr). He is a vet of sorts & has been visiting the veterinary station in Britain & Eire for consultation on various problems - connected mainly, I understand, with cattle.

11th Aug. A warm mainly dry day with very hot sunbursts but a shower at 2 PM. & a heavier one between 7 & 8 P.M. we settled everything. Dug last of Ballydoon & Ulster Chieftain potatoes, planted on 21.4.58 and 24.4.58 in main plot (but short rows!).

12th-13th Aug. 58. Very damp, but on showing
with very hot spells when sun got out - Garden
very wet, but got all drier out in afternoon
& evening after rain earlier had held me up.

Bill & Lilian Pounder left about 10 AM.

14th Aug. A warm, dry, sunny forenoon, becoming dull
about noon when wind from NW. dropped & a sea-breeze
arrived. Received transfer forms from Goodbody & Webb
for £1,500 3 per cent. Savings Bonds, 1965-75 and £1,150 5 1/2
per cent. Funding Stock 1982-84. Signed, had interest &
returned same. Also returned to Barclay's Bank
an acknowledgment of the copy of the Interim Executorship
Statement dated 17th June 58.

At noon watched a very fresh ♀ *Bombus pratorum*
with load of pollen at flowers of *Erica vagans*
& *Diabacca* which I feel must surely belong to a
second brood. Later, in the afternoon, I saw a fresh ♀,
carrying load of pollen, visit flowers of Knopweed, on
which also were 3♀♀ of what I believe were *Andrena*
sandersella. During the afternoon we managed
to get a good deal of the accumulated garden rubbish
burnt.

15th Aug. 58. After some rain at night & again about
7.30 till 8.0 AM. a very fine, hot, sunny day till 3.30 PM;
then a heavy shower & later others at irregular intervals,
so that everything very wet & little could be done in
garden. Before dinner I cut away a lot of vegetation
around the first loop of the burn in back garden, including
the *Valerian* on the island & that hiding the *Brodiaea*
rotundifolia, which latter appears healthy & settling
down. About noon saw a ♀ *Pompilus* (*y. gibber*) on
Angelica & other hymenoptera, so went & set out & markers
& spent a few minutes collecting between the 1st loop &
the waggies. Took the following, but not the *Pompilus*!
By the burn in back garden 12 noon.

Holictus leucopus 2♂♂ on Wild Carnot. *Andrena* cf. *sandersella* 5, near
Bombus pratorum fresh ♂ seen on Lavender.
Crabro podagricus ♀ on *Angelica*. *Pompilus* cf. *gibber* ♀ seen on *Angelica*
Schneuwied, black & yellow, small ♂ = 6 of *Sallinger*, ^{ant.} 36, *schneuwied* ♂ seen.
Phygadeuon cf. *junctor*, 3♀♀ on Carnot; ant. all 14-seg, var. dark hind femora.
Apanteles glomeratus ♀, small. *Sacantha pubescens* small ♀, small.
3 small Chalcids. ^{nothing}
Cynipids 2 + one (1) ^{nothing} small gall on leaf of *Rosa canina* (egg)

16th Aug. 1958. A very nice, warm, calm, mainly sunny day & no rain, till slight drizzle at 10 P.M. Finished clearing up the raspberry bed, begun last evening & in afternoon Daisy & I dug the two longitudinal rows of potatoes above the raspberries consisting of Ulster Supreme & Stormont Dawn which were planted on 22.4.1948. Of the former from a shorter row we got a nearly full barrow load & of the latter a very full barrowful.

17th Aug. (Sunday). A very nice day & mainly sunny day after some rain or drizzle during the night & about 6 A.M. Nevertheless yesterday's bonfire, which I had banked with fresh weeds at supper time, still burning at 8 A.M. & continued to burn all day, with the help of a newspaper in the afternoon, so that all our weeds are now burnt & only the potato stalks dug yesterday remain to be dealt with. All potatoes now badly affected by blight & must be dug as soon as possible. In early afternoon Daisy & I walked via the plantations to the tip heap of intrusion rock taken out of the tunnel for the Belfast water supply

to get some of the fine material for the rock garden to keep down growth of moss around some of the smaller plants. I made a kind of "moss garden" as we have found this place very attractive with *Sax. nemosa*, *Arenaria subulata* & *Primula acaulis*. Brought home 3 small cotton bags full of it — as much as I could carry in the rucksack, as it is very heavy for its bulk.

On way out saw a lovely fresh (?) *Silene* - washed *Butterfly* (*Papilio*) in bramble at NW angle of the plantation close to the wooden bridge over a tributary of the Tullybrannigan Burn.

18th Aug. '58. Took transfer form for
£350 Ord. shares of 5/- each, fully paid,
Elliott - Automation Ltd.

£250 Ord. 5/- shares, fully paid,
Spear & Jackson Ltd.

to the bank to get my signature witnessed by Mr. Patterson, in forenoon. Also ordered 1/4 ton of coal from East Downshire S.S. Co. Ltd. One of the worst days of the summer though mild & with only a slight easterly breeze, 4-6. Rain or

18.8.58, cont.

drizzle, after very heavy, from 10 AM till bedtime.

In afternoon we had a short visit to Donald Lodge, (mine of!) & I collected *Junonia*, *tenax* growing in the old main avenue from King Street, where I had been told by Miss Kentland it grew a few years ago.

19th Aug. Warm, windless & wet all day.

20th Aug. Very damp but no rain & light drizzle. Frost & back lawn cut, although grass very wet in forenoon. Considerable blue sky & sun in afternoon & very warm. "Hill fog" rolled up again in evening, but no rain up till 8 PM.

In afternoon Daisy & I dug the following potatoes: — The four remaining short rows W. of the greenhouse & below upper path, i.e. two short rows each of *Winter Supreme* & *Stormont* *Debon*; both yielded good crops of nice spuds except one or two plants. These all planted 24/4/58.

Also dug the single row of *Ballydoon* (planted 8.5.58) at E. end of plot next the mint & Anderson fence (at SW angle of garden) & this yielded a good crop.

21st Aug 58. A dry, humid, dull, day. Floods & thunder storm in England!

In afternoon Daisy & I dug two rows of mixed "Blue" & *Kerr's Pink* potatoes, planted in upper border (near rock outcrop) on 1/5/58 & got a very good crop — especially the *Pinks*!

22nd Aug. After a dry night, cooler & with fresh NW wind, a dull day with very light drizzle all afternoon & only clearing between 6 & 7 P.M.

Continued floods & thunder storms in England. In forenoon I cleared stones off recently dug potato plots. In afternoon I dug the six short rows of "Blue" potatoes in SW. angle of the upper border in back garden & got a very full barrow load + nearly a bucketful + 1 1/2 trays of seed: these were for the most part grown from quite small sets & only planted on 8/5/58.

23rd Aug. A very nice day, after a clear stormy night & heavy dew. Considerable hot sun & variable light wind. Cut first lawn in forenoon & in afternoon Daisy & I dug the 3 1/2 rows of *Kerr's Pink* potatoes (planted on 21.5.58) & got two very full barrow loads of nice spuds. ♀ *Aspilota* taken on W. window of garage = *Asp. cf. hirticornis* complex, ant. 19. ant. rather long, prop. with central keel, etc.

24th Aug. '58 (Sunday). After another fine starry night drizzle & hill fog came on about 11.30 A.M. & continued off & on all day. Trained the bushes of *Salix subcordata*, *S. phylicifolia* & *S. rosmar.* x in rock garden which had outgrown the space allotted to them. In afternoon we had an unwanted visit from a Mrs. Morgan & son from near Portadown: she is the sister of late Miss J. M. White who as a pupil of late Prof. Small carried out considerable ecological botanical work on the ferns of Lough Neagh in (Co. Antrim & Armagh) & her papers published by R.I. Acad. In evening Daisy & I walked up the new (E) road through the plantations to the S. side of Brinacilly.

25th Aug. A very lovely day after rain continuing well into the night. With help from Daisy we dug the remaining 4 rows of potatoes in main plot, namely 3 rows of Golden Wonder & 1 row of "Blue", with 4 plants of Morris Pink at top of latter. All these planted on 21st or 22nd April '58.

Thus ends the potato digging for 1958: these were dug early because the haulms were badly affected by blight & I dare not leave them in the ground. Result a very good crop of nice potatoes.

26th Aug. '58. A dull day with S.E. wind, & heavy at times, with rain threatening all day, but this did not come till 7.30 P.M. when a thick "Scotch mist" commenced & the wind slackened. On the night of 25th - 26th, which was clear & starry, a very heavy dew fell & temperature dropped, so that there almost appeared to have been a white frost at 7 A.M.

Spent most of the day clearing up the front border along Tollymore Park Road & will continue these clearing up operations till I have worked back to the "waggy". Daisy cut back lawn after tea.

27th Aug. A very wet day - one of the worst! - after gale & heavy rain from S.E. all night. Everything in flood & over was down within an inch of the path at lowest dips. The weather did not clear till tea time, after which Daisy & I went to Donard Lodge to see the waterfall.

28th Aug. A lovely, warm, sunny day, but rather spoiled by change of wind from S to E & heavy shower at 4 P.M., which re-wet everything, once more.

Cut front lawn in forenoon & did odd weeding later. Received contract from Goodbody & Walter

for purchase of B & W Walker 200 5/- ord.
shares in B & W Walker, Ltd., @ 6/2 1/4, costing
£64.15.6. Received a specimen of *Pharis glauca*
in back garden & saw it settled on a flower of *Knapweed*.

29th Aug. '58. A very fine day, warm & mainly sunny.
Started clearing up the border in front garden behind
the drain & the lawn in afternoon. Later tried but
failed to get a bonfire going to burn the potato
stalks, but things too wet & never got it going.

30th Aug. Another fine day. Daisy's brother Simon
A.D. Mitchell, who arrived yesterday evening, left a
for a few days. Received "Contract" for further purchase
of 300 5/- shares of B & W Walker Ltd., @ 6/2 1/4,
costing £96.16.9; also Transfer Form for £180 one
pound shares in Richard Johnson & Nephews Ltd., cost
£267.15.0. Continued clearing up border along
the lawn in front garden. In evening tried another bonfire
but only partially successful. Saw a ♂ *Bombus pratorum*
& some ♂♂ of *B. hortorum*, see few days ago & just
♀ *B. lucorum*.

31st Aug. (Sunday). From 8 AM till 5 PM a slight
to very thick drizzle persisted all day as a cool E.
draught encountered the S-SW steady drift.

1st Sept. 1958. After a fine night this gave promise
of being a miserable & day as the previous one, but
rain held off though everything soaking & no drying
till the afternoon when a strong E. wind sprang
up & there was some sunshine, so that after tea the
front & back lawns were dry enough for me to cut.
In forenoon I dug a pit along Anderson's fence
at SW corner of back garden & into this I
dumped all the potato tops which I have been
trying to burn for a few weeks. I did this
on reading in "Popular Gardening" that the heat
generated in a compost heap is sufficient
to destroy the spores of potato blight which
have been laid everywhere this year. Later
I covered the haulm with the cut grass
from the lawn.

Inspected the three 12" pots containing the
Salix cuttings brought from Scotland in July & I
found in the first that everything was smothered
by chickweed & only one cutting of *S. lepporum*
appeared to be alive. In the second most second
flourishing I removed the cover. The third contain
Agave procumbens & the seem to be quite happy
& I put back the cover, as I also did in No. 1.

2nd & 3rd Sept. 1958. Both miserable, dull, damp & warm days, with either heavy rain or drizzle & on 3rd a dense "smoke-haze". On 3rd I received certificate for £1,500 3% Savings Bonds 1965-75 & for £1,150 5½% Funding Stock 1982-84, & will be transfer form for 350 British Electric Bonds (Holdings) Ltd., (Ord. 10) stock units from Goodbody & Wabbe. Returned receipt & duly signed & witnessed Transfer Form in afternoon & authorities G. & W. to purchase £30 worth of either 4% Land Bonds or one of the above Govt securities.

On 3rd continuous rain, with several thunderstorms from 2.30 P.M. until midnight. On 4th rain about 3.30 P.M. but mainly clear, although down here the air was warm.

4th Sept. Another wretched, warm, muggy, day, with drizzle or rain till late afternoon. Garden miserably wet! Dr. (Prof.) Garrahd Humphries, of Nat. Univ. Dublin, came to tea & spent a couple of hours with us & brought much news. At 7.30 P.M. John F. Beake of 17, Tillet Road, Norwiche, called after his visit to Sligo coast, etc., where he had been studying in particular *Helix nemoralis* in all its forms from the dunes to top of Annacorney in Gleniff & we had much talk.

Took *Aspilota* (Synaldis) ♀, ant. 17, in garden: cf. *parvula* miki!
Propodeum very small but reg. 3 & 4 both very short & also *Chalcid* *Syrphoctonus* with ♀ (cf. *Entedon* *delius* *Wahner*, 1939) file Graham!

5th Sept. '58. This gradually cleared & the afternoon was quite sunny & only a little hazy, after no rain during night, but still very warm & muggy & temperatures up to 80° F. in S. of England & many heavy thunderstorms reported. John F. Beake came again & spent the day with us & much interested in my bred *Helix nemoralis* & scalariform *H. aspersa* of which I gave him six specimens to breed from the "Original Right" family & two larger from "Original Mid" family.

Received certificate for purchase of £350 5½% of Funding Loan, 1982-84, @ 101¼ & sent cheque for £355.14.9 to Goodbody & Wabbe for same. Saw a Painted Lady Butterfly (*cardui*) near Donald Lodge at 3.30 P.M. when Beake & I went for a walk.

6th Sept. After a fine night sea-fog with drizzle came on at 8 A.M. & lasted till the afternoon, after which it cleared & with help of fresh S. wind I got 2 front-lawn cut after tea. George's family arrived at 9.40 A.M. & stayed till after tea. Gave him a couple of stone of Bellydoon potatoes.

7th Sept. After rain at night a very hot, damp, day spoiled by heavy thunder showers at 2 & 2.30 P.M. & later in the evening. Sunday.

11th Sept. 58. After almost a white frost & a dense sea-mist coming in off the sea, the sun began to break through about noon & a perfect afternoon followed. J. G. S. Stendall & his wife arrived at 12.30 noon & stayed till 6.15 then back to Obelisk, where they are on a week's visit following the British Assoc. Meeting in Glasgow. Spent spare time before & after their visit here.

12th Sept. A poor day, dark with much haze & strong S.E. wind & hills obscured all day. Much mist earlier than previous three days. In forenoon I continued to clear up the border along the house in front garden. R. G. Farin, Jean & the daughter Rosemary & Jennifer arrived about 4 P.M. & stayed till 6.30 - all looking very well!

13th Sept. Warm & damp, with much drizzle & rain in the afternoon, after a good start. Cleared later & a dry night. Francis Mitchell (John's nephew), wife, Deborah & Chris, came in afternoon & stayed for tea.

14th Sept. Similar to yesterday, but more sun in middle, heavy drizzle after breakfast & again at 5.30-6.0 P.M. as far formed by rise & departure of onshore (E.) breeze. Otherwise almost windless, cloud drift from S.

14.9.58, cont. In afternoon we walked via Burrayland gate to Tollymore Park, round what I call the "East Drain" & home by Reggie's Pad. The latter recently "cleared up" by forestry & all non-coniferous saplings cut down & so no use for collecting for the present. A few oaks & ash, etc., near upper end not yet cut & around them I swept some insects, but the object of the visit & here most sweeping was done was the grassy side on the east side of the "West Drain" where I swept *Dacnusa rona* Nixon on 6th Oct. last year, 1957, around the rain-pool in the side.

Grass, etc., very wet in most places today, but I managed to sweep in the above two areas:—

- 1 = Grassy side on E. slope of the W. Drain. 3.30-4.15 P.M.
- 2 = Upper stretch of Reggie's Pad on N. side of E. Drain. 4.15-4.45 P.M.

Insects swept - at 1.

Henitaka ♂

Leucospis sulphurea 2 ♀, ant. 35; legs 2 with red spots at apex.

Stenomacrus ventralis 5 ♂♂, 1 ♀, all highly coloured.

Promethes scutellator ♀, ant. 26. ♂ ♀

Phidippus 4 = *Rediviva* ♂ (ant. 19), 1 ♀ (ant. 20).

Helictes 2 ♂♂, ant. both 22.

14.9.58, cont. Tollymore Park, DO, cont.

Open sp. 11 = *D. irregularis*, var. ♀, ant. 22, seen in 20, ant. 22. 3 mtd.

Phaenocarpa livida ♀, ant. 26.

Aspilota sp. 11

Dacnusa (*Rhyssalus*) *sona* ^{ant. 26 (♂), 24 (♀)} 3♂♂, 5♀♀

D. (R.) confinis ♀, ant. 23.

D. (R.) maculipes 3 not mtd.

D. adducta 5♀♀, not mtd.

D. melanocera 2: not mtd.

D. (R.) affinis ♀ (♂+♀) not mtd. *D. (R.) uliginosa* 1 m, robust-♀, ant. 22.

Dacnusa conjugens 3♂♂, 1♀, not mtd.

Homocidus ruficornis ♂, not mtd. *Aphidius* sp. ♂, not mtd.

Proctos. 16: 2 mtd.

Chalcids ca. 18: 1 by record only, mtd. - rest sent to Graham.

Cynipids, minute, wingless. 6.

Aspilota (Wl.) 13.6.51 - 1 m, ♀, ant. 20.

A. cyathidis 2♀♀, ant. 16 & 19.

A. fuscicornis 2♀♀, ant. 16 & 18.

A. tumida, ♂, ant. 18; ♀, ant. 17.

A. fuscicornis, small ♀, ant. 16.

A. (Aspilota) sp. ♀, ant. 16, also

♂ (♀ this sp.) ant. 22.

A. Syddalis ♂, ant. 22.

14.9.58, cont.

Taken at 2.

Tollymore Park, DO, cont.

Pezomachus *undulatus* ♀, large, fusiform, common species; not mtd.

Henites sp. small ♀; not mtd. H. ? sp. ♂ - not mtd.

Polyblastus ventripes ? ♀, carrying young; not mtd.

Stenomacrus ventralis, ♂, not mtd.

Stenomacrus ? ♀, ant. 20 = *Theridion* *trigularis* Grav

See at sp. ? ♂, ant. 20 { *Stenomacrus* like *Stenomacrus*, but shorter, etc. (♂ not mtd. this *St. longipes*) in *Platygaster* box! }

Oncophanes laticollis ♀, ant. 20.

Alloea contracta 2♂♂ - not mtd.

Pentapleura angustula 1♂, 1♀, ant. 20 & 18, respectively.

Adelius flaviventris ♀ ♂, ant. 28.

[*Phaenocarpa livida* 1♂ (♂ another destroyed by spider) ? see box]

M. livida ♂, ant. 31.

Aspilota dentifera ♀, ant. 19 - *A. cf. nigricornis* 2♂♂, ant. 20 & 22.

A. ? ♀, ant. 24, very profusum.

A. pallida ♂, ant. 21.

Dacnusa *larviparum* ♂, ant. 22.

Dacnusa galbipes 4♂♂ { ant. 21, 21, 21, 21 }

D. melanocera 2 ? not mtd.

D. longiradicis ♀, ant. 22.

D. persimilis ♀, ant. 23.

D. sp. ♂, ant. 22.

D. areolaris ♂, pale legs, ant. 20.

Aphidius cf. *auri* ♀, pale form, on 19, also a black ♂, with clear wings + ant. 19.

Proctos. 14: 6 mtd.

(2) 14.9.58, cont.
 14.9.58.

Tollymore Park, DO., cont.

15th Sept. After a dry night, a misty day with drizzle most of the forenoon, but clearing in afternoon with some sunshine, when I cleared sides of lawn in back garden.

16th Sept. A very nice day, warm, with considerable sun in forenoon, but mist & nearly drizzling at times in afternoon. Breeze S., wind ESE.

Continued clearing up the sides of the lawn in front garden in forenoon & had a grand bonfire in the afternoon.

17th Sept. Another dry day, but entirely dull, with hill-fog & mist at times fresh E. wind off the sea. Spent most of day clearing up the border along the lawn in front garden.

18th Sept. After heavy rain & SE. wind most of the night - rain or drizzle, with hill fog, continued all forenoon, but the afternoon was 'drier' though air very moist, wind light S-SW. In evening wind backed to SE. as a new trough approached from the west & some rain again about 7 PM. In afternoon Daisy & I walked round by Tipperary Lane & home by the Skinnia. Nothing seen but 100 *Stenomacrus ventralis* & a species of *Hypericum* (a garden escape!) on the hill by the river.

19th Sept. 1958. After another wet night, a dry day, but the day did not brighten up till the afternoon, when I was able to cut the front lawn. Dr. Marcus W. R. de V. Graham (of Hope Museum, Oxford, arrived to spend a week with us, at 5.30 P.M.

20th Sept. A bright cool, very sunny morning after some more rain during the previous evening & early night. Very clear & bright, with fresh SW. cool, wind; becoming dull at lunchtime & rain set in about 4.30 P.M. with wind backing to SE.

In the interval after lunch & before rain Graham & I swept for a couple of hours in the domain around the ruins of Donard Lodge & I filled two buckets - one large, one small - as follows: -

Donard Lodge, Newcastle, Co. Down.

Taken at 1 in large bucket: taken under tree, W. of Glen River! [55 m. N. of Newcastle 8.11.59.]

Phaenocarpa crassipes ♀, ant. 29

Pezomachus 10. 2 ♀♀ (all same sp.). ant. 23(0) & 19 & 20(99)

Acrodactyla regina ♀, ant. 21.

Xylonomus praecatorius ♀, ant. 22. [died 10.9.58] - from spider's web.

Promethes scutellatus 2 ♀♀ (from the garden)

Promethes cognatus 2 ♀♀, ant. 23 & 24.

Stenomacrus ventralis 5000, 1 ♀.

St. sp. [dark ant. & old sculptured skin] - *ventralis*, taken by Graham.

20.9.58 (1), cont. Donsod Lodge, DO., cont.

Mesochorus cf. *anomalius* Hal. ♀, ant. 21.

Camptoplegid sp. = *Gynodorus leucocerus* Hal. var. with black hind femora & metal markings!

Pentapleura sp. ♀, ant. 20.

Exochus brevicornis ♀; not mtd.

Oncophanes sp. 2♀♀ with abd. partly testaceous & tergite 2
red, sculptured at base. Both taken by Graham.

Opius spp. 6: = *O. ilicis* Nixon 2♂♂, ant. 27, ♀, ant. 29.

O. irregularis 2♀♀, ant. both 23.

O. exilis Hal. 1♂, 1♀, ant. both 23.

Alloea contracta 2♀♀ (♂♂ & ♀ taken by Graham).

Pentapleura angustula 1 minute ♀; not mtd.

Adelius flaviventris ♂, ant. 27.

Aspilota spp. 20, including ^{two} typical *dentifemur* ♀ & another with
very long 2nd cubital areolet like *dentifemur* but with non-dentate

first femora (= *A. dentifemur* 2♀♀, ant. both 18, with very strong dentate femora) ^{rather long 1st + 2nd cubital areolae ca. 1/2 length of abdomen}

A. cf. ruficornis ♂, ant. 25 *A. cf. ruficornis* ♂, ant. 16 *A. ruficornis* 2♀♀, ant. both 17 ^{one with very minute dimple}

A. cf. pallida ♀, ant. 14/15. *A. atra* ♀, ant. 22. *A. malicornis* ♀, ant. 22.

A. sciarella ♂, ant. 24. *A. crassifemur* ♂, ant. 25. *A. cf. laticornis* small ♀, ant. 25.

A. minutissima? 3 small ♂♂, ant. 20, 20 & 21. *A. rubripes* ♀, ant. 16.

A. picticornis ♂, ant. 16. *A. cf. unicolor* ♂, ant. 19.

A. (Synaldis) cf. subnitens ♀, ant. 17.

20.9.58, cont.

Taken at 1, cont.

Gasterus melinocera 2♀♀, none mtd.

D. persimilis ♀, ant. 23.

D. lutes Hal. 2♀♀, ant. 21 & 23.

D. virens, *lunipunctus*, common: none mtd.

D. (G.) affinis about a dozen, 1♀ with granulate base to 6th seg. & ant. 23
& 1♂, normal, ant. 24, only mtd.

D. (G.) uliginosa ♀ taken by Graham, with very long narrow redish cell

Aphidius sp. ♀, terminal: not mtd.

Proctos. very abundant, mostly minute, only 11 mounted, mostly

Chalcids, including 1♀ of *Leptochorion flavicornis* Kieffer?

Chalcid, ca. 30. Given to Graham.

Euclyptus isander (Walker), 1♀; *Bothriothorus paradoxus* (Dahl), 1♀.

Torymus speciosus Boh. 1♀; *Chrysochus polytrichus* (Walker) ♂; several
Microgaster; *Peridagrus* ♂; others not critically examined — (1 de V. G.).

20.9.58 cont. Donard Lodge, DO. cont.
Taken at 2. [19 mtd. & then labelled 20.9.59.]

Dicaelotus pumilus ♀, ant. 25.

Echmorum cf. *lubratum* ♀, ant. 24.

Pezomachus ? 2000 = 1. ♂, wings, black, ant. 22.

P? sp. ♂, short wings, ant. 21.

Hemiteles cf. *gracilis* ♀, ant. 19.

Stenomacrus ventralis 1000, not mtd.

Dyspota purgator ♂, not mtd.

Proctos ♀ = *Proctos*, same. Hal. ♀, ant. 22.

Blacus ambulator ♀, ant. 20.

Opius xanthogaster ♂, ant. 33. *Aspilota fusicornis* ♀, ant. 16.

Pentapleura angustula ♂, not mtd. *G. (Synaldis) concolor* ♂, ant. 18.

Aspilota 7 = *A. crassifemur* 6, significant ♀, ant. 25. *A. cynipidis* ♀, ant. 19.

Daenusa adducta 2, not mtd. *Asp. cf. sciurella*, small dark ♀, ant. 21.

D. (G.) affinis: not mtd. *A. cf. libidinis* ? ♂, ant. 21.

Proctos. ♀: 3 mtd. = *Helictes rufopictus* Hal. ? ♂, & 1 *Leptocryptus*.

Chalcids, ca 6. Given to Graham.

Moll. =

21st Sept. 1958. A nice day, started by thunderstorm & torrential rain shortly after we reached the site in Tollymore Park about 3.40 PM.

In afternoon Daisy, Marcus Graham & I walked via the Courtyard gate into Tollymore Park & shortly after our arrival we heard thunder to the west, but got on a few minutes sweeping around the main pool in the wet. Some rain on 14th & there I took the following:—

Tollymore Park, Co. DO. 9.30-4.0 PM.

Stenomacrus ventralis ♂ & ♀♀ frozen.

Pentapleura pumilus 1♀ *P. angustula* 1000, 18

Aspilota ♂, not mtd. & then in P. Graham 10.25.

Daenusa roma 7 ♀♀, ant. 24-25.

D. areolaris & *D. persimilis* 1♀ of each.

D. adducta 2.

D. (G.) affinis 7 (♂ & ♀).

Chasmodon conjugens 2.

Aphidius sp. 2: one mtd. = *A. erigeron*. Hal. ♀, ant. 13.

Proctos. 14: 2 mtd.

Chalcids ca 20. Given to Graham.

Leptocryptus 1 minute, wings.

Drumchilly, on west end of demesne,

22nd 9.58, cont.

Donard Lodge, Newcastle, Co. DO.

Taken in afternoon after heavy rain, with much, & nearly
all off leaves of small *Eucalyptus*, in plantation. ca 2-4 P.M.

Schizocampa 2 = *Sterichneumon ochropus* ♀, ant. 23.

Pentaneurion alternatum ♀, ant. 26.

Hemiteles ?? ♂, white clippers, + ♀, ant. 18+ broken off.

Leptocryptus ♂ ♀, ant. 28.

Chorebus ♂, ant. 27.

Stenomacrus 3 (other than dozen of *St. ruficornis* ♂, ♀)

= *St. ruficornis* ♀, ant. 23. *Orthocentrus asper* ♂, ant. 24.

Orthocentrus cf. *alternatus* ♀, ant. 29: 2 ♂♂ small, this of taken by Graham.

Plectiscids 85 = *Aperileptus obliquus* Th. 2 ♂♂, ant. both 21.

Chalcids 3 ♂♂, ant. 21(1) + 22(2).

Diaparsus rubiculus ♀, small, ant. 31.

Tanyocampa gracilicornis ♂, ant. 40. *Pentapleura angustula* ♀, ant. 18.

Aspilota cf. *crassifemur* ♂, ant. 25.

Proctos. 3 =

Chalcids 5 given to Graham.

23rd Sept. 58. S.E. evening & terrapin rain except for one
hour in the afternoon when Graham & I went to see the
Donard Falls & took a few photos. in poor light.

The falls were far greater than I have yet seen them & parts
of our garden were flooded by the rain at times then soon
dried up, but soon dried up. Very warm at times.

24th Sept. Mainly dry, but showers about midday, & a very
heavy one with sleet about 4 P.M. Wind SW-W & very
strong at times in squalls & rose to some gale force
in gusts during the evening.

25th Sept. A nice bright day, with much sun & warm air,
after severe gale during early part of the night. Wind now
NW & still very strong & gusty. Great damage done
to trees round Donard Lodge ruins & the big
Arbutus at SW angle of the lodge uprooted & thrown
down on the "Plaza" in front of the house. Wind
dropped ± about 5.30 P.M.

As Graham had found sweeping profitable around the
willows at foot of garden between 10.30 & 11.30 A.M. I
took the net out about 12 noon & swept till 10 o'clock (or 11).

In afternoon Graham & I went to Donard Lodge
woods & swept N. of the avenue & west of the waterfall bridge
(= 2) & later E. of the bridge & N. of the ruins (= 3)

From 2.30 till 4.30 P.M.

25.9.58 cont. Tollymore Park Co. Down
Taken at 1 = back garden, 2. Tollymore Park Road 12.30-1.0 PM
E30 insect site. I have labelled 29.12.58

Chrysopa sp. =

Cryptine 3: 2 mtd. = *Henitela*? sp. ♂, ant. 19.

Cryptus? sp. ♂, ant. 26, scutellum white marked.

Pimpla brevicornis ♀

Promethes 2 = *P. pulicator* ♀, ant. 25.

P. cf. *pulicellus* ♀, ant. 23.

Homocidus 3: 1 mtd. = *H. pallipes* ♀, ant. 23.

Bassus tricoloratus ♂ var. with black scutellum, darkened hind tibia & coxae. ant. 18.

Orthocentrus radiatus Th. ♀, ant. 29.

Stenomacrus 7: 5 mtd. = {*St. menela* 3♀♀, ant. 23 & 24, & 25.
St. cf. minutus? ♂, ant. 19.

Co. popillig ♀ = *Eulimneria* cf. *lunata* (Herd) Kaly. ♀, ant. 26.

Aspilota lateralis ♂: not mtd

Catantopus sp? ♀, saw a 200, 1♀ taken by Graham earlier & 1♀ taken a few days ago.

Phaenocarpa 7: 5 mtd. *B. decessatorum* ♂, ♀, ant. 20.

Opius irregularis 1 ♀, ant. 24.

Alysia manducator ♂, ant. bitten off; not mtd.

Phenocarpa rufipes ♂: 2.11.58

Aspilota 7 = *A.*

A. fuscicornis ♀, ant. 15. *A. (Synaldis) distincta* n. sp. ♂, ant. 15

3♂♂ 2♀♀, ant. 21, 22, 23.
ant. 21, 22, 23.

Phaenocarpa sp. *Phaenocarpa* sp. *Phaenocarpa* sp.

25.9.58 (1) cont.

Stenomacrus areolaris, multiple & confused? in all mtd.; one mtd.

only = *D. (P.) maculipes* ♀, ant. 22.

L. (G.) affinis 5 ♀♀: none mtd.

Chalcid cf. *pulicellus* ♀: ant. 11.

P. pectorator ♂, ant. 14.

Aphidius cf. *parvicornis* ♀, ant. 18.

Proctos ca. 22: not mtd.

Chalcid ca. 25. Given to Graham.

Chalcid ca. 10. Mostly very small.

Taken at 2. Donald Lodge woods, W. of waterfall, 2.30-4.30 PM.

Ichneumon *viridator* *pumilus* ♀, ant. 24.

Cryptine 1: *Chalcid*? ♂, ant. 20.

Orthocentrus sp. ♀, not mtd.

Stenomacrus ventralis ♂♂ common, ♀: none mtd.

Promethes scutellator ♂: not mtd.

Zuphonia 2: 1 only mtd. & pretty *Synaldis* sp? ♂, ant. 2.

Dyspilus pectorator ♀ carrying one larva: ant. 33.

Phaenocarpa *transfusa* ♀, ant. 27.

Phaenocarpa 3 = *Aperileptus obliquus* Th. ♂, ant. 20.

Plectiscus *sordidus*? ♀, ant. 40.
Helictes sp. ♀, ant. 21.

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25.9.58 (2) cont. Sonard Lodge, Co. DO, cont.
Brachymeria *monticola* ♂, reddish head, abd. *testaceum* except
 for black tergite 1: ant. 23. A small dark specimen! *ANS* 2/1/59.

Colletes brecomini 2 ♀♀: not mtd.

Chalcidius cf. *testaceus* ♀ *teste* Graham: ant. 16.

Leptocryptus tituratus ♀, ant. 21. Mtd. with back!

Blechnus ambulator ♀: not mtd.

Opius bimaculatus 1 ♀, ant. 26.

Phaenocarpa incongrua ♀, ant. 26:

Aspilota 2 = *A. cf. nitens* int. ♀, ant. 20 & *A. subripes* ♀, ant. 16, very nice mtd.!

Laenura areolaris & small *Leucopetala*? ♀♀ {none mtd.}

D. (G.) affinis 4 ♀♀: none mtd.

Ephedrus sp. ♀ not mtd.

Triclistus curvatus ♂ ♀, ant. 16: mtd. as *curvatus* Hal.

Proctos. ca. 30: 5 mtd. only =

Chalcids ca. 25, including *Torymus carnosus* (Wlk.) (2nd inst. ♀);
E. (T.) laevigatus ♀; *Torymus speciosus* ♀; *Gastrancistrus* 4 ♀.

93

25.9.58, cont. Sonard Lodge, Co. DO, cont.

Taken at 3: E. of E. of waterfall.

[33 specimens mounted & then labelled 3/1/59 *ANS*]

Cryptine 6: 1 ♀ *Phygadeuonid* mtd. mtd. *Schismoneura* *testaceus* ♂ ♀

testaceus ♂ ♀
 ant. 26.

Pimpla brevicornis ♀: not mtd. *Leucopetala* ♀, ant. 37.

Orthocentrus radiatus ♀, ant. 30, would rather small!

Stenomacrus ventralis frequent (♂♂): none mtd.

Leucopetala 2 ♂♂ = *Gymnocrania brevicornis* {one with 2 on mid-thorax & small ant. 26 & 26}

Colletes brecomini 1 ♂, 2 ♀: not mtd.

Aspilota sp. 7 = *A. cf. nitens* ♀, ant. 21; *A. cf. subripes* ♀.

A. sp. ? near *planifrons*, but black, narrow wings, etc. ♀, ant. 19. *A. cf. nigrescens* ♀, ant. 17.

A. cf. blanda, smaller ♂, ant. 20. *A. fuscicornis* ♂, ant. 18.

A. (G.) cf. brevis, ♂, ant. 19, dark legs.

Laenura areolaris, *Leucopetala* ♂♀, frequent: 1 only mtd. = {*D. (R.) areolaris* ♀, ant. 22, but head and middle legs like *areolaris* ♂.

D. elegantula 1 not mtd. *D. melanocera* 1 not mtd.

D. (G.) affinis 1 ♀, not mtd.

Proctos. ca. 20: 7 mtd.

Aphidius ♂ ant. 22
 cf. *indicus*.
A. areolaris ♂ ant. 15
 cf. *indicus* Hal.
Triclistus notatus ♀, ant. 11.

Chalcids ca. 30: given to Graham

Triclistus mtd. black ♂, ant. 13.

Trypand ♂

Cryptid 1.

Copy taken of *Chalcids* ♂
 25.9.58. Taken by 25.9.58. *ANS*
 at 3:30 at waterfall, 25.9.58.
 on *Proctos.* mtd. *ANS*.

27th - 29th Sept. 1958. All three poor days, with very heavy rain or sleet on 27th & 28th & a gale from SE; smoke haze over the hills all 27th, drizzle most of 28th; sun in forenoon of 29th, but showers in afternoon. Everything very wet & the sea was at flood level. Removed Nasturtiums from front border in preparation for planting seedlings of *Barbarea* to make a friendly hedge: repotted the *Pumila* obconica which I put out in garden before going to Scotland in June: gave it & the two cacti a "plantaid" on 29th. On 28th when returning from our walk in the plantation on the new W. road round Drinnatilly, I stopped for a few minutes at the Eyecore & at the Laurel. Saw Graham & I took many *Parasitica* on 22nd Sept. (Sept. 58, ante).

Now took the following with me when at about 4 P.M.

Phygadeuon sp. ♀, ant. 19.

Dyspota praeagator ♀, ant. 19.

Polyblastus westringi 3 ♀♀, ant. 27, 28 & 29.

Meteorus deceptor? ♀, ant. 41.

Acromus areolaris? ♀, very dark legs, ant. 21, with faint shadow of sternal & therefore might be *aculeipes*, but I think not. *Chalcid*. *Pimpla* minute, almost wingless!

Ant. *Formica* *lucorum*? ♂

30th Sept. 58. A wretched day — almost continuous rain & very heavy at times & almost windless, after severe squalls & rain during the night. A minor "tornado" is said to have passed across Killybeg from the sea at 3 A.M. this morning & done a lot of damage there.

In the afternoon I called on Mr. Gros, aged 85, who lives in Shan Shien Drive, & whom Graham & I met in Donard Plantation last week, when he showed interest in our collecting & invited me to call & see his coll. of Lepidoptera. Saw it today! It has been a good coll. of the old type & nearly all specimens taken by himself, but none bear data labels & very many have been destroyed by mite or "house-moths", as the fine large cabinet (made especially for him about 60 years ago!) has the glass covers for the drawers sliding in from the back & so not insect proof & no disinfectants had apparently ever been applied. He calls himself a "Londoner" & spoke of collecting in Wicken Fen, New Forest & other well known localities in S.E. England & of his friend Fowler of — = I believe the famous coleopterist the late Canon Fowler. He also told me he had once seen &

30.9.58, cont.

shown to his wife (a 2nd wife!) one of the bright brownish species of "Skippers" when in Donard Park, a few hundred yards from his house, but I cannot quite believe this story.

1st October 58. After yet another very wet, windless night, a very nice day, but spoiled by a rain with drizzle for half an hour at 12.30 noon. Mild, calm with much hot sun. At 4.40 P.M. I swept the willows, etc. at back of back garden - in the wuzzys! - & took the following in about 15 minutes sweeping: -

Pimpla flavicornis? very small ♀, ant. 26.

Homocidus nigricollis ♀

Chelyptus pumilio ♀, ant. 28.

Opius cressus ♂, ant. 23. *Allodia contracta* ♀, ant. 25.

Dacnusa cyclops 1. *Aspilota* spp. 3: see below.

D. maculipes, *areolaris*, *laevipennis*, *longiradiata*.

D. (G.) affinis ♀

Proctos. 5

Chalcids 4

Cynipid 1, minute.

Aspilota dentifrons (small ♂, ant. 21)

A. cf. pallida ♀, ant. 16.

A. cf. tenellus ♂? ant. 17.

2nd Oct. 58. A very nice dry day with much hot sun, though E. breeze chilly. Sun was not shining, but all lawns & paths in wuzzys, ground still very wet. At 4 P.M. tried sweeping in the wuzzys, but E. breeze made this poor & I only took the following & very few of these ^{were} off the willows: -

Aspilota 3 = *A. cf. ruficornis* ♀, ant. 18.

A. cf. fumilicollis, small ♂, ant. 15. *A. cf. radiaticornis*, small ♀, ant. 17.

Dacnusa maculipes, *areolaris*, ♂. 7: none with.

Aphidius 1 ♀, not with.

Proctos, mostly very minute 18.

Chalcids 6

Cynipid 1, minute

Beetles: 3 "full stops"

3rd Oct. After very heavy rain during the night, which continued till 10.30 AM, quite a nice mild day with considerable sun - much milder than last two days. Wind S-SE at first, later SW & strong at times. In forenoon I went to Donard Lodge & took two photos of the waterfall & two in the wood giving each 1/2 second exposure; they went to the sea front & took one of the sea with 1/4 second exposure. Later posted the roll of films to Keady Ltd. Harrow.

4th Oct. 1958. A very wet day, after very heavy rain at night.

5th Oct. After a dull, mainly dry night, a dull forenoon, but then clear & very sunny from the west & we had a very sunny afternoon, with a strong S.W.-W. wind fell somewhat. Daisy & I left home about 1.45 P.M. & walked to Tollymore Park, where I collected in two areas, as follows: -

Tollymore Park, Co. DO., 2.30 - 4.0 P.M.

Swamp along side of river, in shelter N.E. of the quarry above Courmaphard & in the side in large plantation, especially around the rain-pool, as on 14th & 21st Sept. last.

Cryptine 3. *Hemiteles* ♀, ant. 24.

Phygadeuon ♂, ant. 23. ♂, ant. 21+.

Orthocentrus protuberans ♀, ant. 24.

Stenomacrus ventralis ♂, ant. 24. ♂, ant. 24.

St. viduolus ♂, ant. 22. *St. levius* 3 ♀♀, ant. 22.

2 ♂♂ others = *St. cf. nivalis* ♀, ant. 24; also 2 ♂♂, ant. 24 & 26, which possibly belong here also.

Promethes ♀, ant. 24.

Cyn. sp. ♀, with tergite 2, yellow marked base, ant. 24.
= *Acrobaptus dentifer* ♀, ant. 24.

5.10.58, cont. Tollymore Park, DO., cont.

Chalcid ♂ = *Proclitus* ♂, ant. 21.

Blacus striatus 1 ♀, sent to B.M. 5/10/58. Ant. 15!

Opius irregularis 2 ♀♀, 1 ♂: 1 ♂ only, ant. 24.

Pentapleura angustula ♂, ant. 23.

Phaenocarpa testaceipes 3 - *Adelius flaviventris* ♂, ant. 27+26.

Aspilota dentifera 1 ♂, ant. 23; small ♀, ant. 20. *A. cynipidis* ♀, ant. 18.

A. cf. nivalis ♀, ant. 22. *A. cf. nivalis* ♂, ant. 24.

A. cf. nivalis ♂, ant. 24. *A. cf. nivalis* ♂, ant. 24. *A. cf. nivalis* ♂, ant. 24.

A. cf. nivalis ♂, ant. 24. *A. cf. nivalis* ♂, ant. 24. *A. cf. nivalis* ♂, ant. 24.

Exochus ♂, ant. 24, 25, 25 & 25.

D. confusus 2 ♀♀: one ant. 24, one ant. 22.

D. aphanta ♂, 1 ♂, very dark femora! Ant. 29.

D. cf. areolaris 2 ♂♂. *D. nivalis*, ant. 22.

D. cf. affinis 10 - all ♀♀? none ant.

D. cf. nivalis 1 ♀, ant. 23. *Chalcid* ♂, ant. 24.

Aphidius 2 ♂♂: not ant. *Monobotus caricus* ♂, ant. 24.

Proctos ca 18: only 2 ant.

Chalcid ca 50, including 2 black, with yellow marked head & thorax.

Cynipid 6

Beetle 1.

6th Oct. '58. A fine morning after a fine & dry night, cool with strong SW. wind, backing S. & drizzle or rain coming on about 3.30 P.M. Received from Goodbody the scrip for shares in Spear & Jackson Ltd. & Lombard Banking Ltd. Bug site of Scarlet Runners, which I removed after days ago. Skinned original compost heap & added "skinning" to the new long heap along Anderson's fence.

7th Oct. A most perfect forenoon after a dry night, with very hot sun, so that I saw *Vespa vulgaris* ♂♂, & *Bombus agrorum* ♂♂ for the first time for some days. Also 2 House Martins seen playing over the town at great height, & a Raven flying SE & calling, & and at least 2 & possibly 3 *Plusia gamma* moths, one of which had somehow lost its left front wing & when it tried to fly spun round like a whirling top on the ground. The day dulled over about 2 P.M. & slight drizzle fell, but cleared until after dark when heavy rain fell once more & continued well into the night. Had letter from Olive Jermy confirming my *Carex rigida* record from Shire Connedagh. It is now or not, stuff in Brit. Museum.

8th Oct. '58. After a wet night & some drizzle the sky cleared about noon & the afternoon was fine & sunny. Very warm & humid at 11 A.M. but much colder after a shower at noon when wind went from S. to W. & eased off as day went on. Very strong gust occurred in the earlier part of the day. Called on Mr. Livers in Tipperary Lane — he has been poorly for some time! — & he gave me a *Begonia*, some seed of *Cyclamen*, cuttings of the dwarf golden-yellow *Chrysanthemum* & *Pennstemon* for his garden, also a very small ♀ *Sirex gigas* which came into his house about beginning of July last.

9th Oct. After a dry night, a fine morning, with strong S. wind, but after 12 noon frequent light showers came down from the hills, & wind shifted from S. to W. & back again & finally dropped, but some gusts about 5 P.M. heard. Cat-grass, had bonfire in forenoon & did some digging. Mr. Wood (of Leonard Nurseries) delivered 5 *Azaleas*, 2 dwarf *Rhododendrons* & one *Cydonia* "Rowallane Seedling" at 6.0 P.M., which I will plant tomorrow.

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10th Oct '58. A squally day, with heavy showers at noon. When I had planted only half of the plants received last night from Donera Nurseries. These plants are as follows:-

To 1	Asplen adonis
1	" Palestrina
1	" Pink Treasure
1	" Chev. de Bauli
1	" Anthony setosa Koster
1	Rhododendron impeditum
1	" praecox
1	Cydonia Rowallana seedling

TO FOLLOW

Also received certificates from Goodbody & Wills for the following:- Elliott - automation Ltd.; British Plaster Board (Holdings) Ltd.; as well as that for shares in Mather & Platt purchased on 6th June last - which had been sent back to G. & W. at their request.

105

11th Oct. '58. After a bright starry night with at times a strong SW wind, a dull morning, but sun gradually penetrated the clouds & the day cleared & lovely afternoon & evening followed with the wind falling completely. J. B.K. Moon arrived for lunch & spent the afternoon with us & we had a walk round by Tollymore Lane in the afternoon & we looked at the plants in the garden & my photos of Ben Linn & district.

During dinner, 1.30 P.M., a very large flock of Herring Gulls were seen over Newcastle & the only two which came near enough over house to be identified were House Martins. For several days I had seen none & thought ours had definitely gone.

12th Oct. (Sunday). After almost white frost & a clear night & lovely forenoon, warm with hot sun & no wind, but as certainly draught off the sea. Becoming cloudy after midday & a depression comes in from the west, but no rain before tea-time, though a chilly wind sprang up about 4 P.M. from S. In afternoon Daisy & I walked to Tollymore Park (as last Sunday) & went straight to the grassy ridge

Two Sparrows in garden at 12 noon

106.

12.10.58, cont. - Tollymore Park, Co. DO., cont.
in the larch plantation. There are still (1 larch left)
I had taken *Blacus strabus* & collected by sweeping
(chiefly around the rain pool, but also on each
side of the ride near same) for half an hour &
took the following insects:—

Stenomacrus ruficeps, m. & f. today! ♂ & ♀. ♂ *Leucis* 1 ♀.

Ichneumon macromis ♀, ant. 28.

Leucospis laticinctus 2 ♀♀, ant. both 31.

Blacus strabus one larch ♀, ant. 15.

Opis irregularis ♀ - not mtd.

Alloea contracta 3 ♂♂ - none mtd.

Adelius pumilio ♀, with over 100 mtd.

Phaenocarpa lutea, 10 ♂♂, the latter with malpighian tubules
Aspilota only 1 ♂ today = *A. f. flavipes*, ant. + 23, but *Aspilota* ♂.

Dacnusa adducta 1, *D. aphanta* 4, *D. cyclops* 1 ♂, ant. 24.

[*D. areolaris* group *D. areolaris* 1 ♂, ant. 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.]

D. areolaris 11 (♂ & ♀): 6 ♂♂, ant. 25, 25, 25, 25, 26 & 26 mtd. ;

5 ♀♀, ant. 23, 24, 24, 25 & 26.

D. confinis frequent. *D. cf. areolaris* 1 mtd. ♂, ant. 19.

D. (f.) affinis 3; none mtd.

D. (f.) uliginosa 5: 1 ♀ mtd., ant. 24.

Chorebus conjugens 3: 1 ♀ mtd. has finely areolate tergite 2.
ant. 20.

107.

12.10.58, cont. Tollymore Park, Co. DO., cont.

Anachloris curvica.

Aphidius sp. ♂, mtd. ♂ & ♀.

Proctos - 5, minute! One *Belytid*, *brachypterus*, ♀ = *Belyta forticornis*!

Chalcids ca. 25.

Cynipids 4.

Beetles.

13th Oct. After a gale, with some gusts, & rain during
the night, a very nice mild day, with no rain or showers
here & only light W. wind after 11 AM.

In forenoon I ordered coal & anthracite & then went
on to the Howard Nurseries & came away with
3 dwarf *Rhododendrons* (*lanceolatum nanum*,
williamsianum and *pomakense*), as well as
bulbils of *Paeonia pinnatifida* (big) & *P. pricei* (small),
orchids which Mr. Wood says have been grown
out of doors in England & one & two small
rooted plants of *Cassiope mertensiana*
gravel (fine leaved) (plant & *C. tetragona* & *pubescens* (2 plants)).

In the afternoon Daisy & I went into the plantation
& returned by Howard Lodge to get some *Sphagnum*.

(13-10-58, cont.) in which to collect the orchids (Plinia) & to gather cones. On return journey I called at The Misses Murray's, where I was told that a lot of "fat bodied" moths had been seen lately flying in sunlight & as I was leaving at 5.15 PM (a quite dull) one of these — *Plusia gamma*! — was attending flowers in their front garden.

14th Oct. After a dry calm night, today opened windless & very humid & warm — extraordinarily warm for the season — with conflicting winds W + E soon rising & causing a swirling boil of clouds along the coast & being reported that we met a strong onshore wind along the coast. As we were here — Tullybrannigan Road had no wind till later, when a strong gusty S.W.-W wind arose & soon increased to semi-gale with very strong gusts, but still very mild. After lunch I went to the woods around Downard Lodge & swept for two hours in two areas as follows:—

1 = woods W. of the Glen River & below avenue: 2.15 - 3.15 PM

2 = " E. " " " below the Lodge ruins: 3.15 - 4.15

14.10.58, cont. Downard Lodge wood., Co. DO.

Taken at 1.

Cryptine 4 = *Atractodes* 1♂ (ant. 22) & 3♀♀ (1 ant. 20)

Phygadeuon 1♀, ant. 18.

Cimpla quadridens 1♀, ant. 26.

Orthocentrus protuberans 2♀♀: not mtd. *O. radiatus* 1♀: not mtd.

Stenomacrus ventralis 1♂ & 1♀: abundant, none mtd.

St. viduoides 1♀, ant. 23.

Plectiscus 4 = *Diclerus* cf. *eximius* Forst. (3♂), ant. 22, 23, 24. (all with anal. tub. at 1st. 25.5.58. Schodunsky, mtd. on 6.9.58. D.W.S.)

Plectiscus cf. *angustigaster* 1♀, ant. 22.

P. 1♀ black hind coxae, ant. 20. *P.* 1♀, ant. 20. pub. hind coxae.

Chalcid *macrurus* 1♀, ant. mtd.

Apanteles cf. *laetellus* 1♀, black form.

Microctonus 5♂, very small, ant. only 15.

Opius

Pentapleura angustula 1♀: not mtd.

Aspilota 3 = *A.* cf. *fulvipes* (1♂, ant. 15, but head very reduced)

A. (Synaldis) cf. *concolor* 1♂, ant. 21. *A. radialis* 1♀, ant. 18.

Dacnusa areolaris, *maculipes* (1) & *Chorebus* 7 all mtd.: none mtd.

D. (Xenophia) 2♀♀: none mounted but strongly suggest *stenoclypeus* as *laetellus* 1♀, ant. 22.

D. (G.) affinis 2

Aphidius 1 = *A.* cf. *small-nervatus* (circular abd.) with only 14 seg. ant.

15th Oct. 1958. A quiet day with strong W. wind after a stormy night with frequent slight showers.

Not a nice day! In afternoon Daisy & I had a walk in the plantation & I coll. a few hymenoptera with netter off the laurels where Marek Graham took some on 22.9.58: the Sycamore now with only a few odd leaves left. On the laurels I took the following although it was cool & gusty: time 4 P.M.

Off laurel in plantation!

Stenomacrus ventralis 20 (♂+♀, mostly ♀).

Orthocentrus cf. histus? ♀ (? same sp. as Graham's ♂)

Plectiscids 3: one very nice with sculptured tergite!!!

This one = Holomacrus sp. translucent ♂, ant. 21

Also Apanteles albipennis? 2 ♀♀, ant. 19 & 20.

Proctos 12 Pachypterus = leptopachys fulvipes 2 ♀♀

& Pentapleura longipennis? ♀

Chalcids 4: sent to Graham.

Orangey wasps 1 black 5
Black Microgaster 4 ♀♀, ant. 11
17. seg. Microgaster cf. similis?
♀ ant. 29.

16th Oct NW. gale all day, with a few showers, cold!

In afternoon we went into the plantation in the afternoon & I stopped at the same laurel bush & took 9 St. ventralis ♂♀
1 ♂ St. ruficornis, 1 St. ventralis ♀ (=

& 5 Chalcids. Added Chalcids to pocket container, the 4 taken yesterday & will send to Graham

17th Oct. 58. A beautiful sunny day, with W-NW wind gradually falling from strong to moderate, to light & finally calm. Cold, but sun quite hot & saw a Red Admiral Butterfly, coming itself on a feeding post at 4 P.M. by the burn in front garden. Also a ♀ Bombus agrorum in the greenhouse at 3 P.M.

But both leaves, had a bonfire & in afternoon Daisy & I trimmed margin of the front drive.

Saxifraga oppositifolia from Benmore with several flowers on it, open & normal!

Received notice from Jacob & Co. that I had been allotted 500 five shilling shares (ord.) fully paid!

18th Oct. 58. A nice day with sunny periods, mild, with W-NW wind. Saw a ♀ Vespa vulgaris in garden (but not of ♀ seen for some days).

In afternoon Daisy & I walked round Grinnahilly by the new forestry road very recently completed - but still only roughly made in parts.

Went to garden (at 5 P.M.) concerning the parasite but few signs of the immigrant with Phaenocarpa maculipes - the "Diamond Beetle" moth - whose larvae were so very common on our cabbage & other Cruciferae during July & August.

I believe it is Agrotis forestalis but wait of J.C.'s verdict before saying anything.

After dinner, 2 P.M. took the following on the window.

[18.10.58, cont.] of the garage:—

Blacus trivialis 14 ♀♀ of various sizes, } some mtd.
Stenomacrus ventralis 1 ♀ }
Orthocentrus protuberans ♀

During our walk later (3 P.M.) I took the following off
 the laurels (same as before!) in the plantations:—

Stenomacrus ventralis 10 (2 ♂♂)

Microctonus sp. 10 ♂♂. The ♀ was sitting with wings
 spread flat & tip of abdomen raised, as if "calling"

Chalcid 1. Same as taken previously & added to the others.

19th Oct. After a dry, calm, night, a dry morning, but later
 with clouds & hill fog & drizzle on the hills, but would
 speak of dew here. Wind strong at times, SW rising W.

In garage took a ♀ *Henitella* cf. *similis*?, ant. 30. { Group of taken here on 15/10
 & during walk in afternoon took off laurel the following by } 1 ♀ taken on 15/10, same as
 avenue S. of & above Bonard Lodge main:— } probably on 2.11.48. AWS.

Stenomacrus ventralis ♀ & *Microctonus* (same as taken) } ant. 32
 "sitting" head & leaf, wings spread, in the attitude of "calling" as }
 we yesterday.

20th Oct. A mild, misty day, almost drizzling, with strong W. wind.
 In forenoon hoed all main plot & in afternoon some paths.

Took 4 *Blacus trivialis*, 2 *Aspilota* = *A. dentifemur* ♀, ant. 19.
 & cf. *versipennis* large ♀, ant. 18.

1 ♀ *Stenomacrus* cf. *merula*, ant. 25, 1 *Praon* *Zygote* ♀?

2 Chalcids: not mtd.

1 *Dipteron*, possible host? in garage

[20.10.58, cont.] The garage full of small *Diptera* today, which we
 must cover the recent days as well as the *Parasitica* listed
 on previous page. I think all these insects must have come
 from the store of potatoes, as no windows have been open in
 the garage for some time & the door never open for more than
 a few minutes at a time.

Saw a rather small ♀ *Bombus hortorum* at flowers
 of *Hebe* in the greenhouse during a sunny spell in
 forenoon & hoed up(?) a ♀ *Helicoverpa* *altipes*: very fresh!

21st Oct. 58. Another dry day, with very hot
 sun till midday, but clearing & dull after 2 P.M.
 with "hill-fog" over Slieve Donard. Very mild &
 soft, moderate W. wind, falling to light & later calm
 about 4 P.M. After dinner I went to the woods
 around the main of Bonard Lodge & collected
 by sweeping in several the same two areas as on
 14th Oct. from 2.30 till 4.15 P.M. Insects
 very abundant, including mosquitoes & midges!

1 = woods N. of avenue & W. of the Glen River

2 = woods N. of avenue & E. of the Glen River,
 including the surroundings of the Lodge main (not
 swept on 14th Oct.).

21-10-58, cont. Donard Lodge woods, Co. DO.

Taken at 1. (I think of this labelled 11-10-58)

Leptocryptus 2 ♂♂ = possibly all black var. of *confusus* (Edg.)

Henitella 1 ♂ ant. 20 *Stilpnus gagates* 1 ♂ ant. 20

Pezomachus 1 ♂ ant. 20

Promethes cf. *pallidellus* 1 ♂ ant. 22.

Stenomacrus ventralis ♂ + ♀, abundant - none mtd.

St. rubicundus 1 ♂, 3 ♀♀, not mtd.

Colletes brevicornis 2 ♀♀, not mtd.

Episus irregularis 5: not mtd.

Blacus ruficornis ♂, ant. 22.

Allura contracta 1 ♂, 1 ♀, not mtd.

Aspilota 3 = *A. cordipes* ♂, ant. 22. *A. fuscicornis* ♀, ant. 24, mtd.

A. sp. 2, new *maculipes*? ant. 19, small 2nd subitid areolet, ♂.

Dacnusa areolaris abundant, *longiradiata* & *maculipes* a few each, none mtd.

D. (G.) affinis ♀, not mtd.

Mesochorus curvatus 2 ♂♂, not mtd.

Lophocryptus cf. *chrysanthi*? ♀, ant. 15, instead of 16.

Praon ca 25, 6 mtd.

Chalcids ca 25, sent to Graham.

Cynipid 1 very minute, not mtd.

Ichneumon abundant 1 ♀ (*Thalidius maculata*?) not mtd.

21-10-58, cont. Donard Lodge woods, DO., cont.

Taken at 2. (I think of this labelled 17-10-58)

Leptocryptus claviger ♀, ant. 27.

Henitella ♂ + ♀, ant. 21 & 20 =

Stenomacrus ventralis ♂ + ♀, abundant - a few very palled specimens, none mtd.

Apanteles oblique 2 small ♂, ant. 20, mtd.

Opisus irregularis ♂, not mtd.

Aspilota 3, including a very tiny ♂ with right forewing torn off & the

last probably = *rubripes* mtd, ant. 17. The others =

A. dentifemur 6 minute ♀, ant. 18.

A. cf. planifrons ♀, ant. ca. 16, not a dimple!

Dacnusa areolaris group: about 20, mostly *maculipes*, some *areolaris*

& a few *longiradiata*, also one with short wings (mounted)

= *D. (K.) maculipes*, a very small ♂, ant. 21. Only this one mtd.

D. (G.) affinis ♂, not mtd.

Mesochorus curvatus ♂, not mtd. *Triclistus ruber* ♂, ant. 11.

Aphidius 2 ♂♂, one mtd. = *A.* ♂, ant. 18, blackish legs.

Rostell. ca. 15, 6 mtd.

Chalcids ca. 20, including a ♀ *Torymid* with darkened legs.

First flower now on *Lamium galie-folium*!

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but very hot sun between 10 AM & noon
 22nd Oct. '58. Mainly dull with mist on hills, but dry
 & virtually windless, as the anticyclone which has been
 off southern Ireland for a week moves northward
 towards us. Barometer over 30.5 & still rising.
 After clearing the front border I planted the 22
 seedling *Barberris* inside the front wall. These seedlings
 came from around two of the plants purchased last
 28/11/57 & 21 of them came from B 3 (a "*B. macrantha*") & 1 from
 B 4 (= "*B. hibernica*!"): see under date 28/11/57, p. 92 of diary.

In afternoon Daisy & I cleared up the bank S. of the
 greenhouse which had been overrun by *Poa alpina* from
 Swardon, 1920. Bridges were particularly bad & nearly
 down as in before "closing time".

23rd Oct. Similar to yesterday, but almost drizzling
 most of the day & no sun whatever. Windless & very mild.
 Spent forenoon strengthening defences against dogs, etc.
 between our 3 glass plots & the wall on plot H. of us,
 as a "barge" had been in the garden the last two days via
 this route. In afternoon Daisy & I collected the
 dogon or so seedling *Cotoneaster* from various
 places in the garden & planted them in the windy gap
 between our house & the Andersons, where one *C. microphylla*
 already. At 4 P.M. Daisy called me to see a large ♀
Bombus agrorum busy at the nasturtium flowers in the greenhouse.

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6th Oct. 1959

22.10.58, cont.

In the early afternoon I took 17 *Blacus trivialis* ♀♀,
 2 *Aspilota* ♀♀, = 10 of very same sp. at 10 & 12 in *Blacus*.
 1 *Dacnusa areolaris* ♀ & very many flies, mostly
Phorids of which a whole host had appeared on
 the windows today - all possibly came from the potatoes
 stored in the garage. Only the *Aspilota* with the others sent
 to Graham.

Also one or two *Phorids* taken & sent to Graham.
 25/10/58 Received from Goodbody & White certificate for
 £350 3/4 for funding loan 1952/54 & returned receipt.

24th-25th Oct. '58. Both days were entirely dull, windless,
 & mild, humid air. On 24th (Sat.) I commenced to add "Sylglan"
 to the greenhouse panes & in forenoon of 25th I had done a week in
 the 3 rolls of Sylglan I bought last year would cover. This
 material has been very successful in holding the glass in
 place & I hope it is now all safe, though a few more panes
 still require to be finished. In forenoon of 24th I saw Mr
 Thornton concerning enlargement of some of my colour films
 on X-ray cards & in afternoon of 25th I did a little sweeping in
 the area - i.e. I visited garden of "Brook Cottage" (where I have been
 removed to Gardalog some two years ago) in Bryansford Road
 & 2 = Tipperary Road, by the Shinne River. NB "Brook Cottage"
 was at one time the home of "Richard Rowley" the poet, but in my earliest days
 he was R.V. Williams, alias "Dick Williams", of N. Bude & William, Lendurchief, near
 in, I think, some 10 miles, Belfast.

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25.10.58, cont. Brow's Cottage, Newcastle, Co. DO
 Taken at 1, the derelict garden of Mr. Gordon, but was
 interrupted by the arrival of a car, which may have contained
 the owner or possible purchaser, after two sweeps. 2.30-2.45 P.M.

Pezomachus of *partitus* ♀, ant. 18 (very small species!)

Stenomacrus ventralis, 2 ♂♂ in numbers, others seen, none taken.

Opius irregularis ♀ - not taken.

Alloniscus *monticola*, 2 ♀♀, fully winged, not taken.

Adelius flaviventris: ♂ not taken.

Dacnusa longiradicis & *maculipes*, 4 ♀♀ of each seen & taken.

D. areolaris 1 ♀, ant. 25.

Proctos 5: none taken.

Chalcids 1: not taken.

Taken at 2 = Tipperary Wood, Co. DO by L. Sherrin & L. [8 mounted & then killed 29.10.58.]

Cryptinids 3 = *Pezomachus* ♂, ant. 21. *Hemiteles* ♂, ant. 21.

Attractodes of *linguatus* Th. ♂, ant. 23.

Stenomacrus ventralis ♂ & ♀, frequent.

St. clausicornis m. ♀, ant. 18.

Opius irregularis ♀. *O. ilicis* ♂, ant. 28.

Pentapleura angustula, tiny ♂

Aspilota sp. ?

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(2) 25.10.58, cont. Tipperary Wood, Newcastle, Co. DO, cont.

Dacnusa *brutator* miki (a *longipila* (Forst.) near) of

first of of the light species! ant. 21, legs blackish. Later from the
D. areolaris 2 stigma the same to be a ♀, but I can see no trace! Ant. 22, 19-20.

D. confinis ? about six, 1 ♂, 1 ♀ ant. 24 & 22, respectively.

D. areolaris, *maculipes*, *longiradicis* all frequent.

Aphidii 10, including *monostoma curvis* ♀

Proctos 4.

Chalcids 5 (1 *Hymerid*!)

Lympis 4, minute.

Vespa vulgaris ♂ seen at *Pinus sylvestris*!

26th Oct. Similar to the last two days, i.e. windless
 & cloudy with much haze, but in afternoon much
 blue sky overhead, but too late to get the sun shining
 there. In afternoon Daisy & I walked to Tollymore
 Park & I swept the sides in local plantation, as on
 5th & 12th Oct. for half an hour & found very many small
Parasitica out. We returned across Carrigrohane to the
 Tollymore Park Burn & home through the plantation. 2.30 till 5.30
 P.M.

26.10.58, cont. Tollymore Park, Co. DO.

Swift along side in Cereus plantation, to a 5 ft x 12 ft bush.

Erythroneura 5 = *Hemiteles* ♂, ant. 22. [21 specimens mounted + those collected on 7.11.59. A.W.S.]

Hemiteles ♂, ant. 22, black *Hemiteles* of *pubescens* ♂, ant. 22, red in head only.

Pterostichus ♂, ant. 22.

A. ♂, ant. 20.

Stenomacrus ventralis: not many today but a few ♂ & ♀. none mtd.

Opius irregularis 20 ♂ & ♀: the commoner species today & very common! showing great variation in occurrence from interdicted to quite widely reported! none mtd.

Adelius flaviventris 13, ♂ & ♀: none mtd.

Aspilota 2 ♂ = *A.* cf. *planifrons* ♂, ant. 23.

A. (*Synaldis*) ♂, ant. 23.

Dacnusa areolaris 14, ♂ & ♀, & some lateral

D. (*R.*) *soma* 10 ♂ & ♀, ♂ & ♀, ant. 23 to 26 (♂).

D. (*R.*) *areolaris* } only 15 altogether! none mtd.

D. (*R.*) *marulipes* }

D. (*R.*) *affinis*, only 3: not mtd.

D. (*R.*) *virginiae* 10, ♂ & ♀, & very fine specimens. none mtd.

D. (*R.*) *striata* *Stilpnus*? & rather small ♂ & ♀. none mtd.

Not identified as *Stilpnus*! A.W.S. 28/10/58. The legs narrow & dark wings, 26 seg. ant., & mouth & antennae, & is certainly *striata*, but legs pale than in type (femora & red-tarsus). A.W.S. 7 Nov. 1959.

26.10.58, cont. Tollymore Park, Co. DO, cont.

Chorebus corymbosus 10, ♂ & ♀. none mtd.

Microctonus canis 3 ♂ & ♀, but of which one mtd. none mtd.

Aphidius ephippium ♂, ant. 24.

A. sp. 4 ♂ & ♀ of which one mtd = *A.* sp. 2 ♂, ant. 17. legs brownish.

Praon ♂ & ♀. only mtd. =

Chalcid ca 40. mtd. to Graham

Cynipids 1 minute, reddish. *Beetles*: *Sylphid subrotundus*: small black form, something like that found by Graham in Wicklow. 1959.

Cynipids 1 minute, reddish.

Beetles: *Sylphid subrotundus*: small black form, something like that found by Graham in Wicklow.

like that found by Graham in Wicklow.

On return journey, swept a black ♂ *Pentapleura* out on the more of burdock and on edge of the

bracken & *Erica arvensis* = *Pentapleura* ♂, ant. 21.

27th & 28th Oct. Both days fine. Bright with much hot-

sun & "hill-fog" over hills & sea. Wind S. light, but

on shore & fresh along coast. Bunt seen & mtd. &

cut all grass on 27th. Built up "den" for second period & born

now very low & prepared Δ bed below upper path for wire

hedges & *Rhododendron* (£5.15.6) ordered for Knepp Hill Nursery, Liss.

Today. Saw ♀ *Bombus hortorum* on nasturtium. 1 specimen, mtd.

still frequent in garage windows!

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29th Oct 1958. The morning I had an engagement with Mr. Holger, jun., dentist, & had one of my front teeth built out. Found him pleasant & efficient!

I received by post from Goodbury & Webb the certificate for 100 ord. shares of £1 of Richard Johnson & Nephew Ltd. & returned receipt.

A dry dull, calm day, with much hill fog & heavy cloud inland to the west. Delivered 30 of the best transverse to Thornton to obtain prints to send friends at home: these either of the garden or scenery or plants around Ben Lawers.

30th Oct. After some rain at night - the first rain for some time - the day cleared & we had much sun & blue sky, though very much colder & the air keen, with frost warning at 6 P.M. In forenoon I moved cuttings taken a year or more ago of *Excellonia*, *Lydenia*^{serotina}, from two places bought by Daisy at a sale of waste, & which had been temporarily planted in the rock border by the path along the burn. These were transferred to a new plot between the rosehedge & the upper path. Also moved here *Sax. intermedia* from the rock garden & a yellow Tree Hesperis given me last year by Miss Olive Murray.

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31st Oct. 1958. A bright, sunny, cold day with W.-NW wind & one slight shower at 2 P.M.

In forenoon I transplanted two bushes of *Saxifraga globosa* ("Billy's Button") & one bush of *Flowering Currant* to the north bank of the burn just E. of the garage. In afternoon Daisy & I walked up the Glen Burn to the stile at top of plantation, crossed the river 1/2 mile below this, & came back past the ventilation shaft of the Belford Water Works tunnel & so home.

1st Nov. After a dry morning, but with falling glass & a southerly gale with torrential rain & rapidly rising temperature commenced about noon & lasted till 7 P.M. The rain ceased & wind dropped.

Before the storm I removed soil & made trench to plant *fraxinosa* cuttings in the gap - fruit-hedge along the burn, where the two big rocks are in the ditch.

Saw wasp *Vespa vulgaris* today!

2nd Nov. After a dry calm very mild night, an almost warm forenoon, clearing about 10.30 A.M. to a bright sunny day until late afternoon, when a cooler W. wind got up & later cloudy & rain at 7 P.M.

In afternoon Daisy & I walked to Tollymore Park & I collected by sweeping around the rain-pool

2.11.58, cont. - Tollymore Park, DO., cont.
 in the ride through the Laurel plantation & on 26th Oct
 but found the grass very cut. Nevertheless
 managed to obtain the following insects: Two (=1)
 on way home swept a few things, chiefly off
 oaks along "Reggie's Pad" (=2).

Tollymore Park DO. 2.30 - 2.30 P.M.
 Insects taken at 1. = abinford in Laurel plantation

- Homalictus* sp. 2♀♀ = H. ♀, ant. 26. dark abd.
Stenomacrus ruficornis ♀, ant. 24
Colletes haemorrhoidalis ♂, ant. 24
Blacus *Tricinctus* 1 small ♀, ant. 18. unusual.
Opius irregularis 3: ant. etc.
Adelius flaviventris 1♂, ant. etc.
Aspilota signipennis 1♀, ant. 18
Dacnusa aphanta 3: 1 abd. seen to have all red segments!
D. areolaris 3: 1♂ (ant. 24 & 24♀ (ant. 23 & 24). All three sent L.B.M. 5/11/58.
D. areolaris & *areolaris* 7 D. *areolaris*? ♀, ant. 23 (sent L.B.M. 5.11.58)
D. (G.) affinis 2, ant. etc.
D. (G.) affinis 6: 2♀♀ abd., ant. 23 & 24.
Phaenocarpa conopsea 1♂, ant. etc.
Aphidius sp. 5: 1♂, ant. etc., ant. 18 =

(1) 2.11.58, cont. Tollymore Park, DO., cont.
 Proctor 5:

Colletes 22.

Taken at 2. mostly off oaks.

- Stenomacrus ruficornis* ♂, ant. 24. St. *ruficornis* 4♀♀
Opius albipennis sp. Type, ant. 24 (ant. 24.59) *Aphidius* sp. etc.
 Proctor 2, bold under = *binarius* ♀ and

Colletes 2.

3rd Nov. A fine day, mild, with much hot sun & only
 light NW. breeze. Iris stylosa - given me by J.D.
 Brambles when we left Dublin in June 1926 - flowered
 today for the first time & I found 3 flowers on the
 early plant (at the second loop of the burn) of Lesser
 Celandine, which flowered last year on 16th Dec.
 Of the three flowers one was bedraggled & had obviously been
 cut before the rain storm of last Sat. (1st Nov).

A Bumble Bee, *B. agrorum* ♀, rather faded, was seen on
 Nasturtium flowers about 2 P.M. - possibly the same ♀ as
 seen on 23rd Oct. In forenoon I planted young

[3.11.58, cont.] plants of *Grisebacia* in the gap in the hedge, along the barn in front garden where the big stones & *Ellisia* *Carabidae* are. These plants are from cuttings given me by Mr. M. Reids last Sept. 1957 & are now very nicely rooted. Still a few *Blacus* *trivialis* in garage windows.

4th Nov. In forenoon I cleared the ditch along the barn in back garden along Cochran's in preparation for planting *Grisebacia* in the gap. I then had a bonfire on rain threatens. Heavy rain & strong S. wind till 4 P.M., when wind dropped & rain eased off.

5th Nov. A fine sunny day, mild & sun warm, NW breeze, after rain in early part of the night. Made shelf on top of ditch along Cochran's in back garden & planted it with *Grisebacia* rooted cuttings.

6th Nov. After rain at night, a dry, mild, day with considerable sun & light NW wind. In forenoon I completed the wiring of the two gaps in our north boundary hedge, where I planted *Grisebacia* on the two previous days.

In the afternoon I went to the dovecot Brook Cottage where I swept for about an hour & found small *Parasitica* quite numerous. I took the following: — [20 mtd. & three labelled 5/11/58. NWS.]

6.11.58, cont. Grounds of Brook Cottage, Newcastle, Co. DO. Hemiteles 34♀ of *gracilis* complex: ant. 24, 25 & 26, the last species much larger than the others.

Pezomachus rufipes? ♀, ant. 20.

Stenomacrus ventralis ♂ & ♀, abundant. *St. ruficornis* ♂ & ♀, 1 mtd. ant. 23.

St. curvicauda 1♀, ant. 26.

St. (neurata) 1♀, flat, soft, head!

Orthocentrus protuberans ♂ & ♀, one of which has a narrow areolet than is usual.

Colastes braconius? 1 very small ♀, ant. to 25 (best to count!).

Apanteles of ? ♀, seems to be collected in mud, etc., but stigmas very pale, bordered below.

Blacus of *humilis*: ant. 17. 6♀ from *phycis* "mtd".

Opius (s.) *procerus* ♀, ant. 45.

Phaenocarpa compunctator ♀, not mtd.

Aspilota (*Synaldis*) ♂, ant. 23. 6♀ of *gracilis* complex.

Dacnusa areolaris group abundant & including *areolaris*, *patescens*, *longiradiata*, *laevipennis* Muls., & *maenilius*. Some dark-legged "*areolaris*" seem to have very long radial areolet & ♂ & ♀ mtd. (the 4 ♂♂ mtd. + large antennae 20(2) & 21(2) suggested).

Aphidius 2 = *Trioxys* ♂, ant. 13, dark legs.

Aphidius pseudoplatani ♀, ant. 16, abd. mainly pale, valvulae of tendons also yellowish, but perhaps somewhat brownish.

6.11.58, cont.

Brook Cottage, Newcastle, DO., cont.
Proctor over the *Phytogaster* only.

Eelicks 12

Cynipids 4, including the species which folds its wings tight over the abdomen, which I used to get so common during winter in the Slide of Saggart, Co. Dublin.

P.S.

For this Red & his sister we got a part history of Brook Cottage: ca. 200 years old: owned at one time by a Col. Beare (spelling), then bought by R.V. Williams (= Richard Rowley "the poet") whose wife was a keen gardener & who planted many of the shrubs: sold about 10 years ago to the present owner Gordon, who has moved to Kilbell district & allowed the place to go to ruin!

7th Nov. 58. A dull, damp, often drizzly day, with much hill-fog. Very humid & even warm in early forenoon but quite cold with "ground frost" in sheltered areas warning in evening with forecast. In forenoon finished the "defence" along our N. boundary & in afternoon we had a walk in the plantation & collected sticks.

8th Nov. 58. A very bright, cold, morning & all sunny till dinner time, but a heavy shower at 2.30 got everything overcast though it cleared again & we had some sunny intervals. On this day the sun about 2 P.M. just cleared the summit of Slieve Donard.

At 4 P.M. during a sunny spell, though wind NW. & cold, I was surprised to see a *Phasia gamma* hovering around a patch of *Cornus* (= "bosmos") & eventually alighting on a flower & fluttering there for several minutes at least. It seemed quite happy!

In forenoon I cleared up the N. back of the house from front road to the line of the house & in afternoon Daisy & I removed the "debris" to foot of the garden.

Our two Christmas Cacti (the second given us two years ago by Mr. Patterson of our bank!) & the first derived from late Mr. Kinch (our former landlady at Ferrybank, Arklow, where we used to spend our holidays there) about 15 or 20 years ago, now almost in flower & Mr. Kinch with at least ²⁴ buds, ranging from almost in flower to minute pink buds, so big & so. These have been in greenhouse since we went on holidays on 26th June. About 2 months ago I gave each two "Plantoids" & increased watering, but we have never had them flower so early before. 2 weeks or later being the usual date.

9th Nov. 58. After a fine forenoon & night, the day deteriorated & a cold drizzle fell, with NW. wind most of the afternoon, when Daisy & I went into the plantation & as far as the iron gate on to the moor above the shepherd's cottage & then came home by the newly constructed road round Brimscotilly.

10th Nov. A very nice, dry, sunny day: cold in morning & then quite mild till about 4 P.M. when a sudden drop in temperature & clear sky & by 5 P.M. felt almost frosty & wind very light & variable at times, but a cold drift steady NW all day. Frost warning at 6 P.M. I finished clearing up the N. bank of the burn & front garden & along garage.

11th Nov. Frost did occur during the early part of last night & probably before bed time, so that the Dahlia & Nasturtium had their leaves blackened by the morning. With dense cloud & falling glass rain commenced about 11 A.M. & continued all day with strong SW wind. At 4 P.M. I alone went up to the plantation & collected sticks for the fire & returned by 5.10 P.M. when rain appeared even & glass had stopped falling.

12th Nov. 58. A cold dry morning with strong NW. wind & warm sun in shelter, but heavy showers & almost gale in afternoon & evening, & then a clear starry night with light wind from W or NW. In afternoon Daisy & I brought some leaf mould from the woods above the ruins of Bonard Lodge: she from under the fern-leaved Beech & I from under the big scarlet Rhododendrons.

13th Nov. A clear cold morning with warm sun & light NW breeze, turning dull after midday & wind gradually dropping, to calm & temperature rising. Quite calm in evening, as a drizzle started between 8 & 9 P.M.

At 9 A.M. quite a white cap was seen on summit of Sleire Bonard above ca. 2500 feet, probably the result of heavy hail showers yesterday afternoon & evening rather than snow. Cleared up a bit more of N. bank of the burn just W. of garage & laid bonfire, also cut back lawn & path at foot of back garden in the wuzzys.

Waited in vain all day for the Argyrea & Rhododendron dispatched last Sat. (8th Nov.) by Knaphill Nursery near Woking, Surrey, by good train & U.T.A.

14th Nov. A warm, muggy, day, with varying breezes & much hill fog & smoke haze; occasional drizzle! A wasp ran into greenhouse when I was working there about noon & was hit by at 10.30 A.M. No shrubs yet from Knaphill Nursery!

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15th Nov. 1958. A similar very mild day with damp mist or "hill fog" all day after a clear sunny morning, till 10 AM. In afternoon Dr. & I walked up through the plantation & home via the unfinished forestry road across the N face of Brimbleby. On the way up I swept the grass & fern by the road for 1/4 mile above Greenhill Park & under a slight mist, drizzle & wind sweeping in from the S. & here took the following: —

Thrips = *Lagarotus debilis* ^{new mtd.} (immature - green) ♂, ant. 46.

Stenomacrus ventralis 3 ♀♀ only, 1 ♂, ant. 22.

Aspilota cf. *Aspilota* ♀, large, ant. only 22: long black body & legs.

A. rufipes? ♀, ant. 19, but not quite typical!

Dacnusa areolaris group 3 ♀♀: 2 mtd. =

D. (D.) areolaris 3 ♀♀, ant. 21 & 22, dark legs!

Aphidius 12: all small & none mtd.

Minute Proctos. 5: none mtd.

Chalcids 10: sent to Graham.

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16th Nov. 58 (Sunday). This day started on the last two - mild & muggy, but the afternoon was colder with strong gusts of wind from SE, later SW-W, falling calm at sunset.

In afternoon we walked to Tollymore Park, via Burrenland gate & I swept for half an hour around the main pool in the land plantation, but the vegetation was very wet & sweeping almost impossible.

Description of took the following insects: —

Stenomacrus ventralis 2 ♂♂, 1 ♀, ant. 22. *S. rufipes* 1 ♀, ant. 22.

Aspilota ♀, ant. 18.

Dacnusa aphanta 1 ♂, ant. 27, wings obvious, fuscous!!

D. (D.) areolaris ♀, ant. 25. *D. (D.) luteipes* ♀, ant. 23.

D. (D.) longiradicis ♀, ant. 22. *D. (D.) areolaris* ♀, ant. 22.

Aphidius sp. ♂♂: not mtd.

Chalcid 1

Cynipid 1: minute

17th Nov. Similar to previous 3 days, but finer & more sunny in forenoon & at midday, though afternoon rather spoiled by an easterly drift of "hill fog" obvious & mixed with smoke-haze & under this fell much colder. The Knapp Hill *Aegales*, etc. not yet received, but I spent the day clearing & preparing for them between the greenhouse & Anderson's garage — a change of plan to make an "Aegales bank" visible from the house windows! See sketch plan to follow.

183.

18th Nov. 58. Much colder, with almost gale at times from the E & everything shrouded in smoke haze from England all day; occasional very slight drizzle, but no rain. Spent day transplanting plants from the area between greenhouse & Anderson's garage where I intend planting the *Azalea* & *Rhododendron* from Knop Hill Nursery. — Then these arrived. They have now been eleven days on the journey from Surrey!

Tomorrow I intend going to the Stien Bonard Nursery to get a few more *Azaleas* selected by Mr Wood & will plant these behind those from Knop Hill, i.e. to W. of the latter. The plants moved yesterday & today are the big yellow *Sedum* given me by Proeger yesterday, a *Hieracium* & *Thalictrum flavum*, & *Sedum rosea*, and *Euonymus japonica* to the border SW. of the first pool by the burn path; and *Conium pulsatilla* (from Norway), a piece of *Geranium ^{and Euonymus japonica} ~~abundans~~* to a spot S.E. of the reservoir, & finally I removed the *Cornus heterophylla* entirely & put two small bits of it on N bank of the burn in front garden.

